HANSY

MISTER -M-

Information contained in this manual is subject to change without notice and does not represent a commitment on behalf of AMIS.

1 WELCOME ON MISTER –M-

Congratulations and thank you for your purchase of the AMIS Mister – M-.

The Mister -M- is based on a wav trigger board from Robertsonics (see here for more details). I have added a user interface, a midi interface, a memory and a beautiful enclosure.

Now you can load sample file on the SD card, define your sounds and setup with the interface.

Mister – M- is providing without any sample file. But you can follow this manual to know how to do some Setup.

With Mister – M- you can store 4095 wav file on a SD Card, define more than 100 sounds that used these wav file and configure 100 Setup who used these sounds.

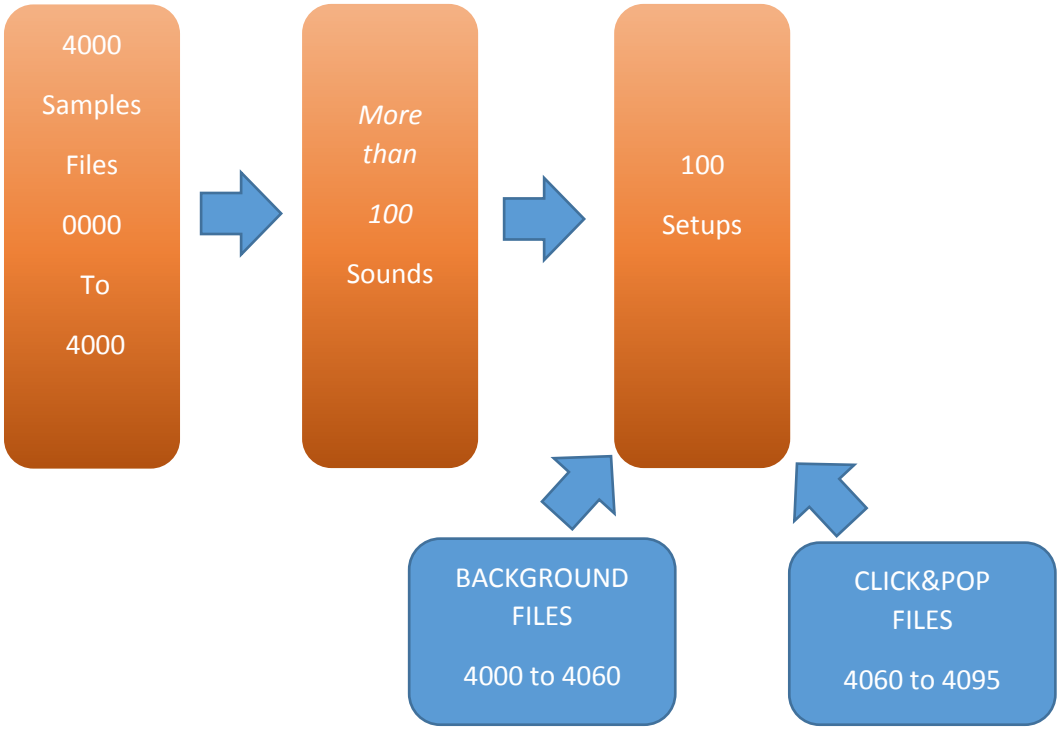
In the setup you can also define in the setup a background sound and a Click&Pop sound

All the wav files must be in the following format: Wav file / 44.1KHertz / 16 Bits / Stereo

If you have any problem with the format sees in the annexes how to do with the reaper DAW

In addition of this user manual, you can find some very useful video on my you-tube channel

Please go here



2 THE USER INTERFACE

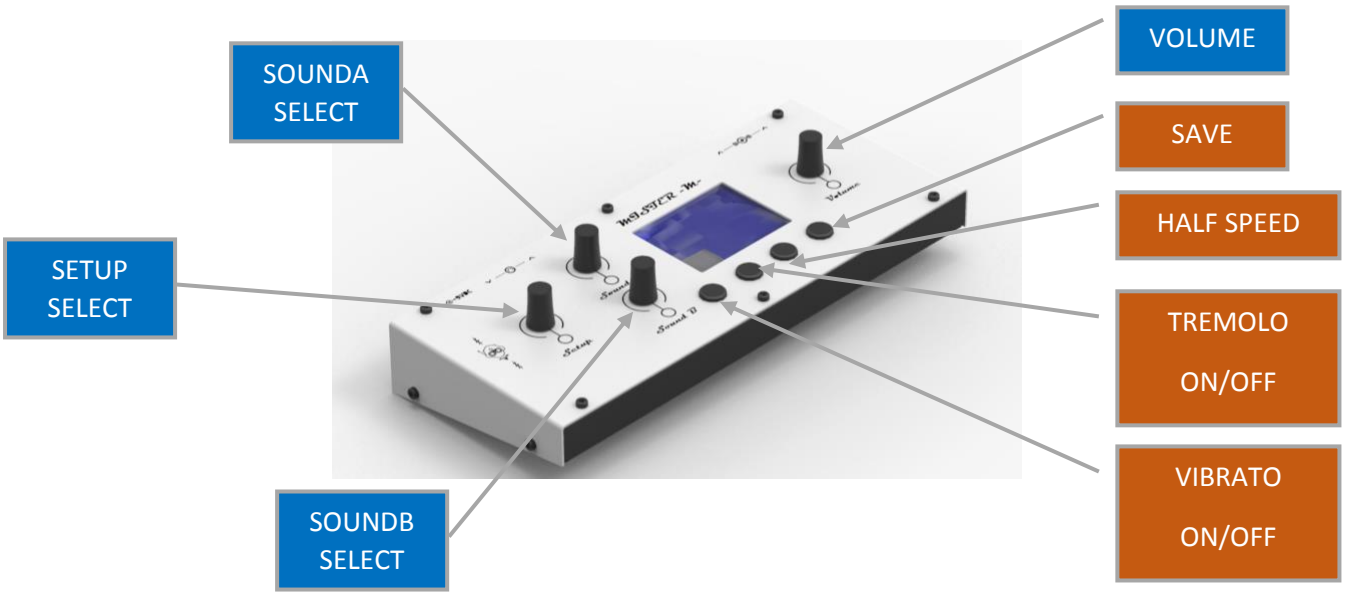
On the mister –M- you have four Encoders with push button

With the first encoder on the left you can select your Setup

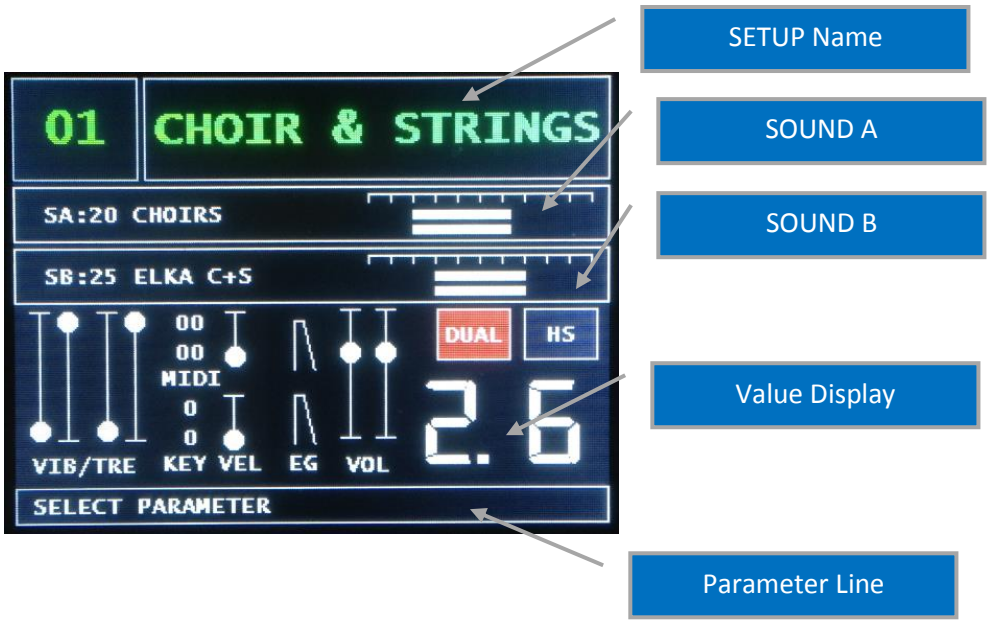
With the Sound A Encoder you can select the sound for the first layer SA for Sound A

With the Sound B Encoder you can select the sound for the second layer SB for Sound B

With the last encoder you can assign the general volume



THE SCREEN



2.1 Select a parameter

Push the setup encoder

The parameter line on the bottom of the screen became green

Turn the encoder to select the parameter

2.2 Change a parameter

Turn the encoder to change the value

The Value will change on the LED Display

TO RETURN THE ENCODER TO THE SELECT SETUP FONCTION DOUBLE CLICK ON THE SETUP ENCODER

3 MAKE A SOUND

3.1 DOWNLOAD THE BULK RENAME UTILITY PROGRAM

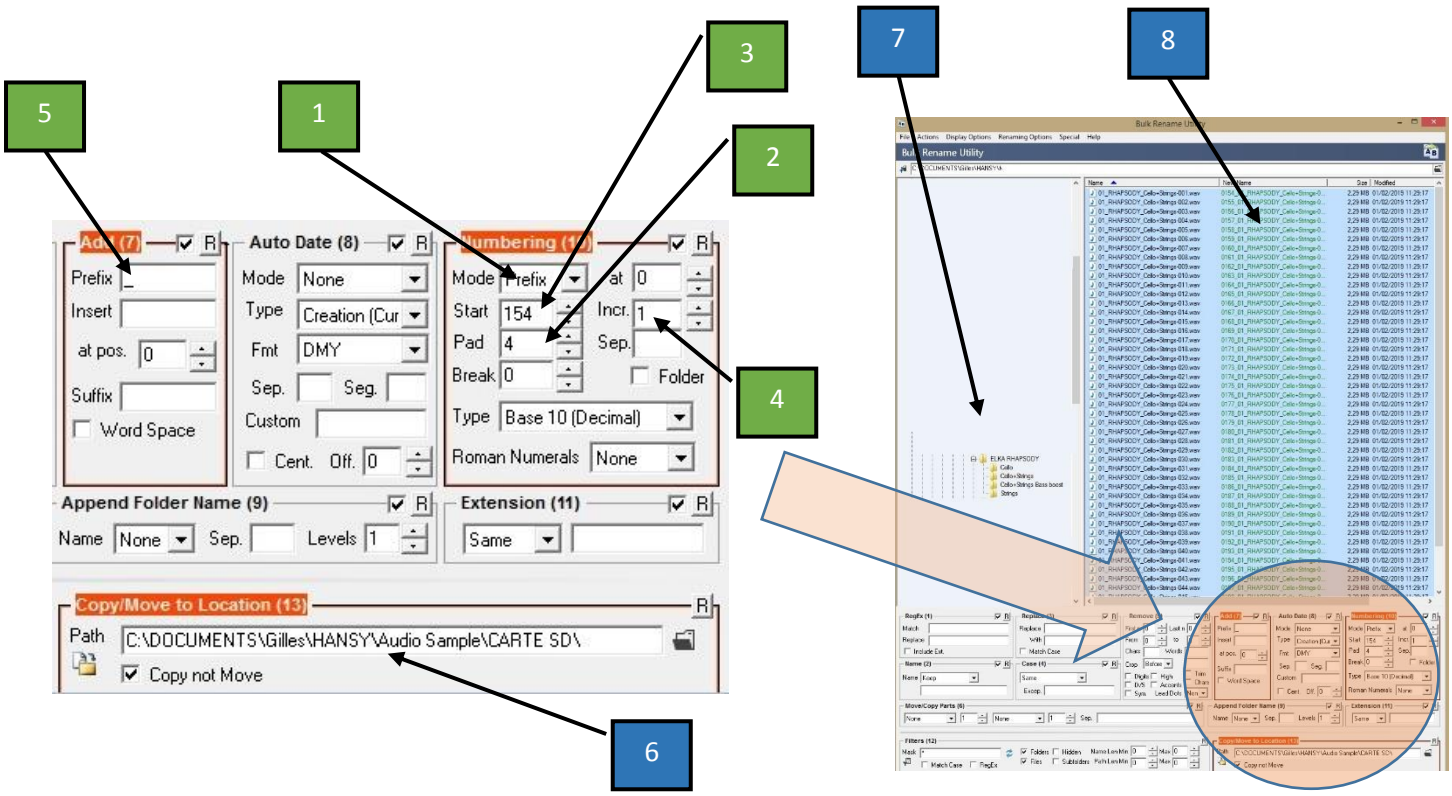
You can download this program CLICK HERE

4 PREPARE THE WAV FILES

1. Set the option numbering to prefix
2. Set the pad at 4 to have a number with always 4 char 0001 to 4095
3. Set the Start point between 1 and 4095
4. Check the increment value. It must be a one
5. Add a _ char
6. Select the destination folder
7. Select the sources files
8. Arrange the sources files if you need
9. Rename the files
10. Copy the file to a Micro SD Card

To know which SD card is ok for the Mister – M- please check the wav trigger page CLICK HERE

To see how you can record a sound a split it to different wave see the annexes "Make a sound with reaper DAW"



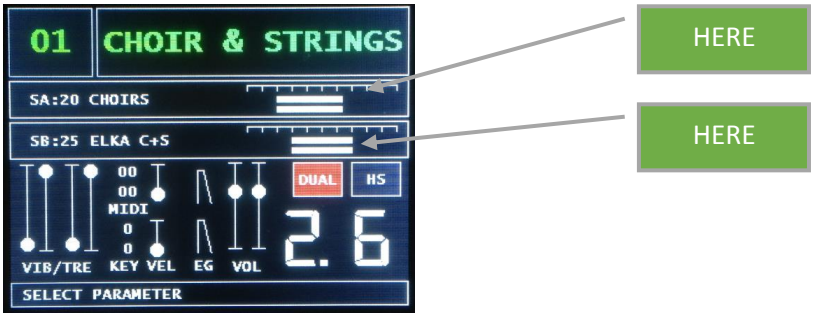
4.1 DESCRIBE THE SOUND IN THE MISTER –M-

Now you have all the files on the SD Card and you have to describe how Mister – M- could use them

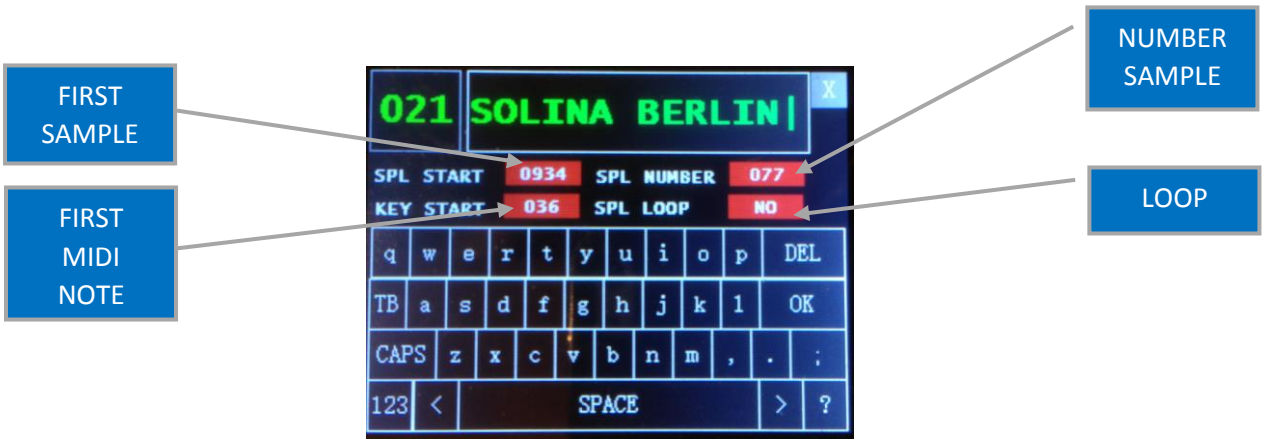
You must specify these different items:

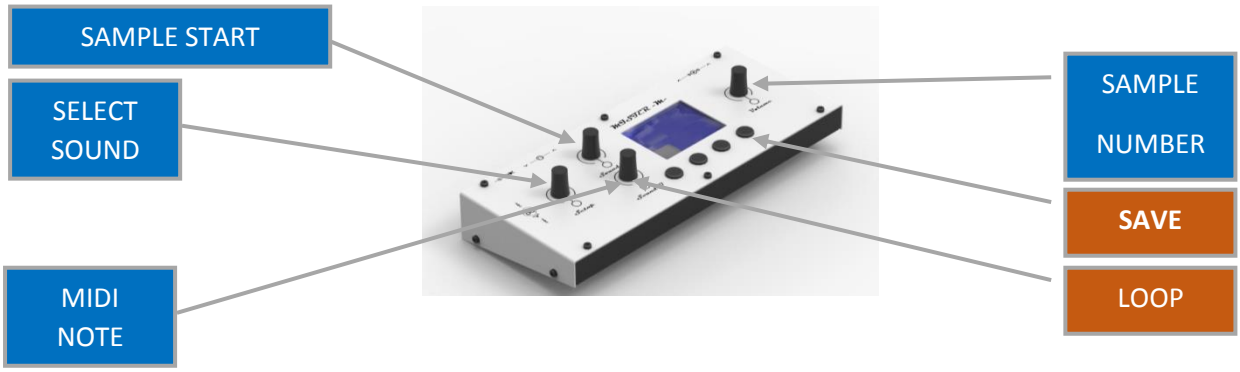
1. The name of the sound
2. The number of the first sample (see the previous example)
3. The number of samples in this sound
4. The first midi note (see the note to midi code tab)
5. If the samples in this sound must be looped (for the Drum pattern for example)

To do this click on one of the two sounds on the layer section



A second screen will appear with all the information and now you can use the 4 encoders to select the parameters





Note	Octave										
	-1	0	1	2	3	4	5	6	7	8	9
C	0	12	24	36	48	**60**	72	84	96	108	120
C#	1	13	25	37	49	**61**	73	85	97	109	121
D	2	14	26	38	50	**62**	74	86	98	110	122
D#	3	15	27	39	51	**63**	75	87	99	111	123
E	4	16	28	40	52	**64**	76	88	100	112	124
F	5	17	29	41	53	**65**	77	89	101	113	125
F#	6	18	30	42	54	**66**	78	90	102	114	126
G	7	19	31	43	55	**67**	79	91	103	115	127
G#	8	20	32	44	56	**68**	80	92	104	116	
A	9	21	33	45	57	**69**	81	93	105	117	
A#	10	22	34	46	58	**70**	82	94	106	118	
B	11	23	35	47	59	**71**	83	95	107	119	

Midi Keys

To make this I provide an Excell file where you can write all these information

Just enter the name / sample start / samples number and midi start

The file will compute all the new sample start

Mister - M - Sounds Chart

ID	Name	Sample Start	Samples Number	Midi Start
1	FREE 001	1	0	0
2	FREE 002	1	0	0
3	FREE 003	1	0	0
4	FREE 004	1	0	0
5	FREE 005	1	0	0

5 MAKE A SETUP

A setup is an arrangement of up to two sounds, where you can map the sounds on your keyboard and affect some parameters for the sound

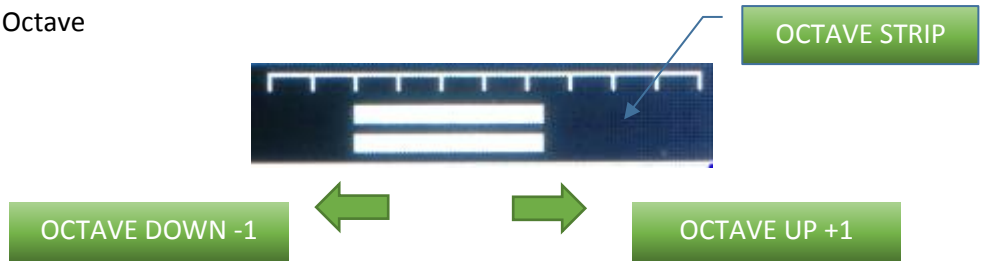
5.1 SELECT THE SOUND AND MAP IT

5.1.1 SELECT THE SOUND

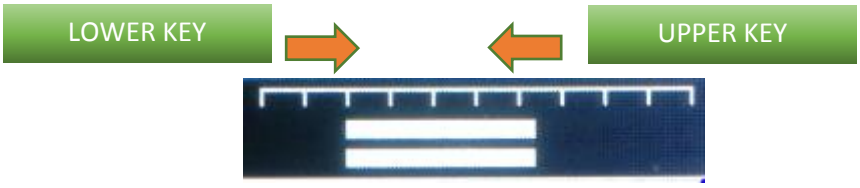
To select a sound for the Layer A you can use the encoder SoundA and for the Layer B the encoder Sound B

5.1.2 MAP THE SOUND ON YOUR KEYBOARD

Select the Octave



Select the Lower and Upper Key



If you have an overlapping of the two sounds you can select two different modes:

MODE DUAL 

With the dual mode if you have the same mapping for the two sounds you will hear the two sounds in the same time. Of course now you can play only 7 notes in the same time

MODE LAYER1 PRIORITY

In this mode you will hear only the first sound in the overlapping zone

You will always see the number of notes played for the two sounds on the KEY part

5.2 CHANGE THE SOUND

Volume of the sound:

Change the volume of the sound

Attack and Release:

With these parameters you can change the way the sound evolve in the time

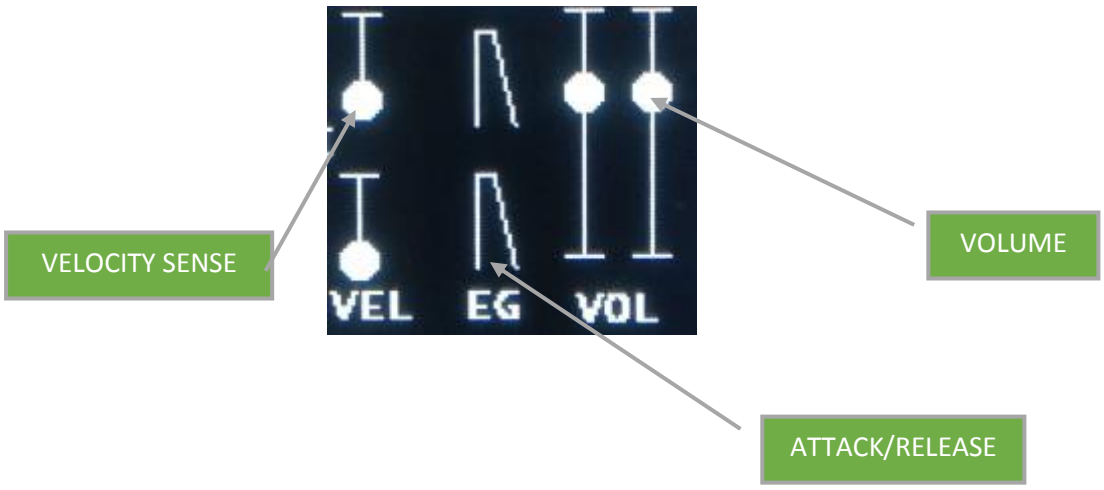
You can set no attack time for a percussive sound or add attack time for a slow amplification of the sound. Just try to add some attack with a Electric piano sample and you will have something like a glass keyboard.

For the release time when you stop the sound he can slowly decrease. Be careful about the polyphony with this parameter

Velocity sense:

Your keyboard sends velocity information to the Mister-M- . Here you can set how the sound will

Use this information. With a velocity sense at 0 , this information is ignore and you have always the same sound if you hit you key slowly or harder. With a sense at 127 you have the maximum

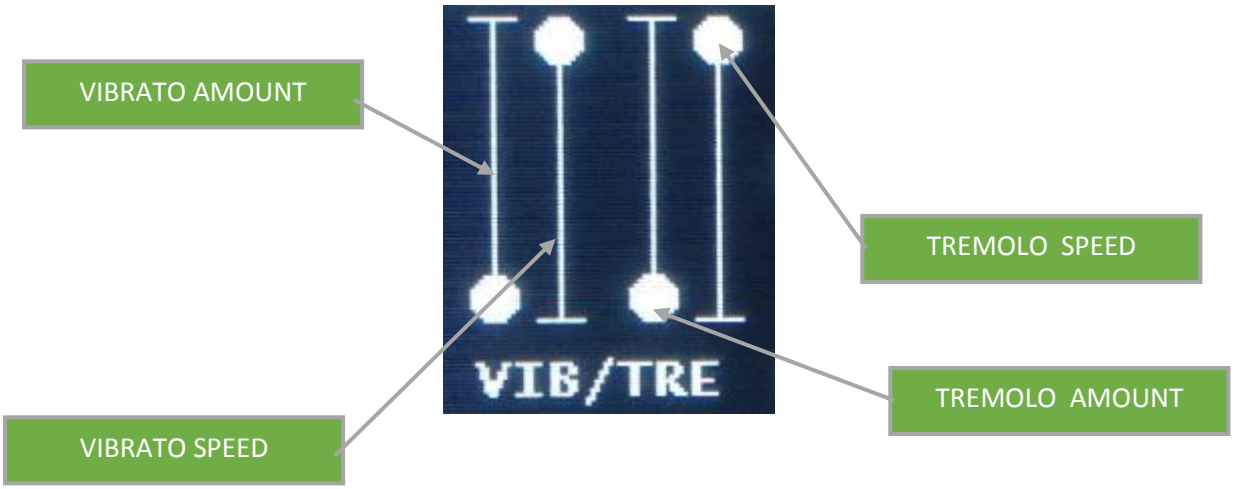


5.3 VIBRATO AND TREMOLO EFFECTS

For each setup you can define a Vibrato amount and speed and a Tremolo amount and speed

(You can affect the Mod Wheel or the Aftertouch to one of these parameters)

The Tremolo and Vibrato use a Triangle waveform to affect the pitch for the vibrato and the volume for the tremolo



5.4 BACKGROUND SELECTION

For each setup you can define a Background sound and set the volume for this Background.

The background sounds are always looped

The background sound are between the 4000 and 4060 sample files on the SD card and are identified as 00 to 60

With this option you can add some vinyl scratch or Tape Hiss or some ambient sounds to your setup or maybe some birds….

The Background sound is triggered when you hit one key and is stropped when you release all the keys

Don't forget: When you use this function you "eat" one voice of polyphony

5.5 CLICK AND POP SELECTION

For each sound you can define a Click and Pop sound and set the volume for this sound.

The Click and Pop sounds are not looped.

The Click and Pop sound are between the 4060 and 4095 sample files and are identified as 00 to 35

With this option you can add some Click and pop to your setup. The Click and Pop sounds are randomized in volume and key.

So you can add a random Key Click for an organ sound for example, or a random noise for a Guitar sample.

Don't forget: When you use this function you "eat" one voice of polyphony

5.6 AFTERTOUCH AND MOD WHEEL ROUTING

The after touch and mod wheel can be route to:

- The Vibrato Amount
- The Vibrato Speed
- The Tremolo Amount
- The Tremolo Speed

6 GENERAL SYSTEM

6.1 MIDI SETTINGS

Here you can select the two midi channel for the two layer.

(Yes the Mister – M – can be multitimbral)

6.2 MASTER TUNE

You can detune the Mister – M – from one octave down to one octave up.

You can also use this function for the DRUM LOOP if you want to slow down or up the tempo, of course the sound are also modified

6.3 MIDI DUMP

With the midi dump out function you can save all the system + sounds + setup on a Midi file and of course restore all with a midi dump in function.

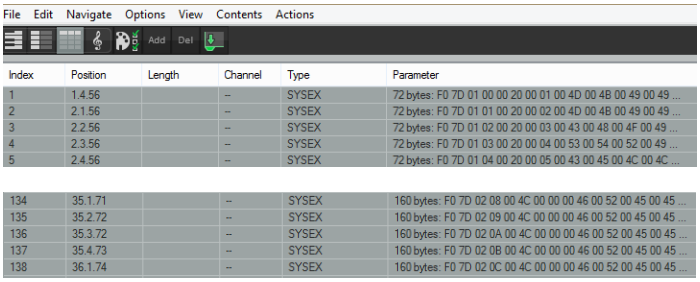
DUMP OUT

To make a midi dump out and to be sure there is no other midi messages, please connect only the Midi out (disconnect midi in) and connect directly the Mister –M- to you midi input port.

Then push the volume encoder until the message : “MIDI DUMP OUT”

An example for Reaper

You must have these kinds of messages



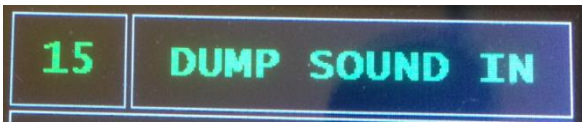
On the screen you will see the progression of the midi dump out

DUMP IN

To be sure there is no other midi message please connect only the midi in port and connect it directly to you midi out port

Play the midi file the mister –M- will automatically detect the midi dump input

You will see the progression on the screen.



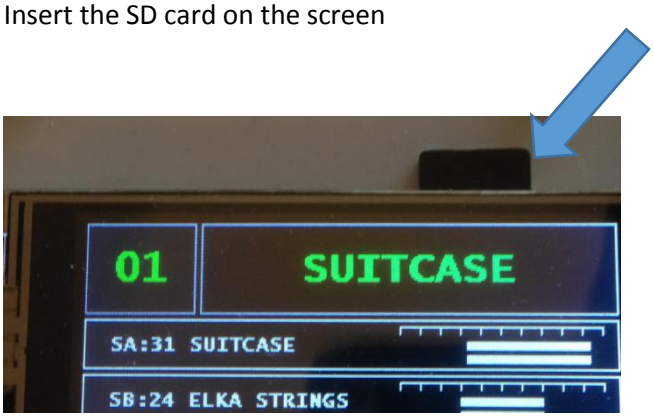
7 UPDATE THE MISTER –M-

7.1 UPDATE THE SCREEN

Copy the file MisteMVx.x.tft on a micro SD Card

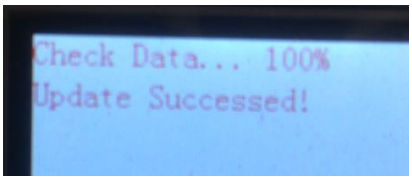
Open the Mister –M-

Insert the SD card on the screen



Power on the Mister-M-

The update will automatically start



At the end pull off the SD card and restart the Mister-M

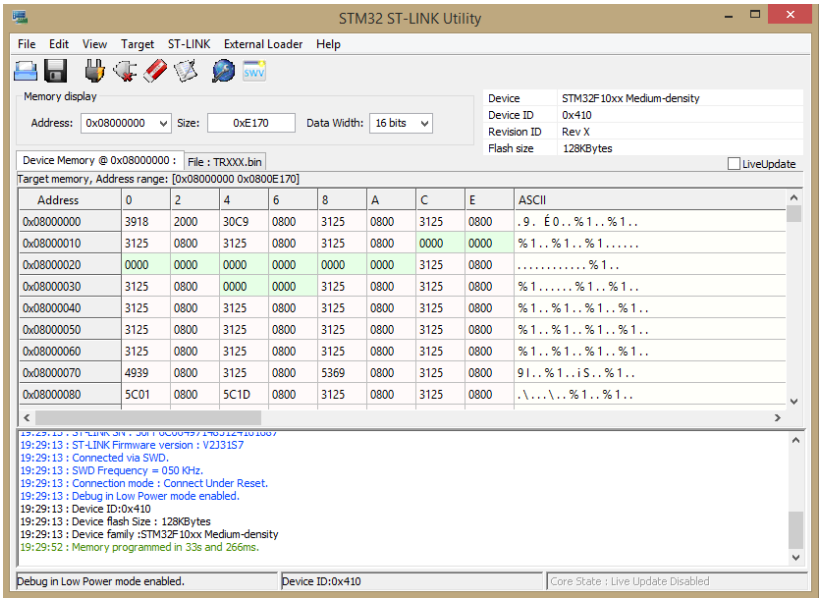
7.2 UPDATE THE FIRMWARE

Download the **STM32 ST-LINK UTILITY** HERE

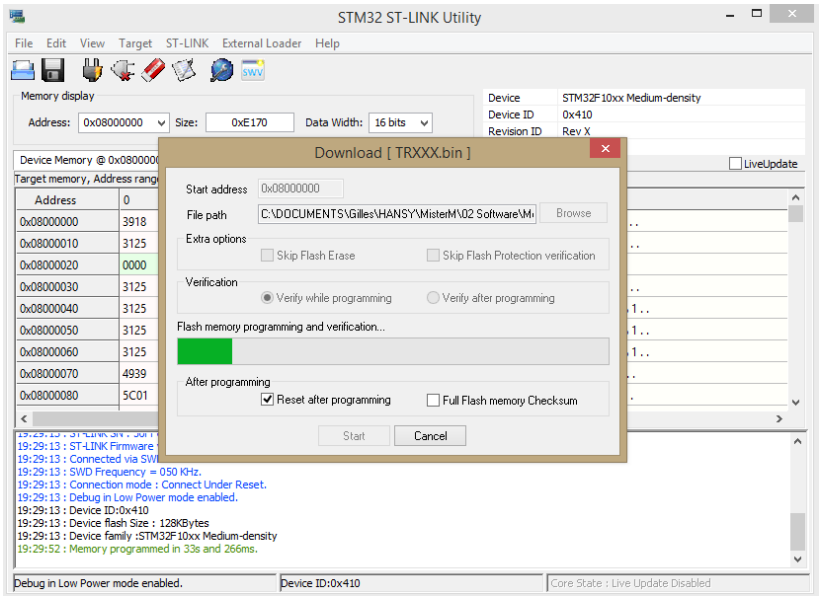
Import the last Mister M Firmware from the Google drive

Connect the ST Link dongle to your Mister M

Load the firmware in the software File->Open File



Select target->Program and Verify then the START button



7.3 UPDATE THE SOUNDS AND SETUP AND SYSTEM

7.3.1 The SD Card

Copy all the wave file to the sd card

7.3.2 Copy the sounds and Setup

See the MIDI DUMP Section in this document

7.4 Update the Wave Trigger

All the information about the wave trigger are HERE

8 ANNEXE

8.1 USEFULL LINKS

https://www.musicradar.com/news/tech/free-music-samples-download-loops-hits-and-multis-627820

https://sonicbloom.net/en/free-sb-mellotron-samples/

https://sites.google.com/site/despianosvirtuels/

https://sites.google.com/site/clavecinsvirtuels/

https://sites.google.com/site/orguesdecinema/

https://archive.org/details/SonatinaSymphonicOrchestraSF2

https://drive.google.com/drive/folders/0B6pJncDMpgIkQTNzc1J2dWZDd3M

https://www.gearslutz.com/board/electronic-music-instruments-and-electronic-music-production/930974-waldorf-blofeld-free-mellotron-sample-kit.html

https://blog.landr.com/use-samples-tracks-without-getting-sued/

8.2 VIDEOS LIST AND LINKS

- Mister –M- How to rename the files
- Mister –M- How to record and split a sound (VSTI and External audio input)
- Mister –M- How to make a sound
- Mister –M- How to make a Setup
- Mister –M- Audio Demo1
- Mister –M- Audio Demo2

8.3 WARNINGS

Please check if you are the right to include the sample files you want In the Mister –M-. I am not responsible of this part.

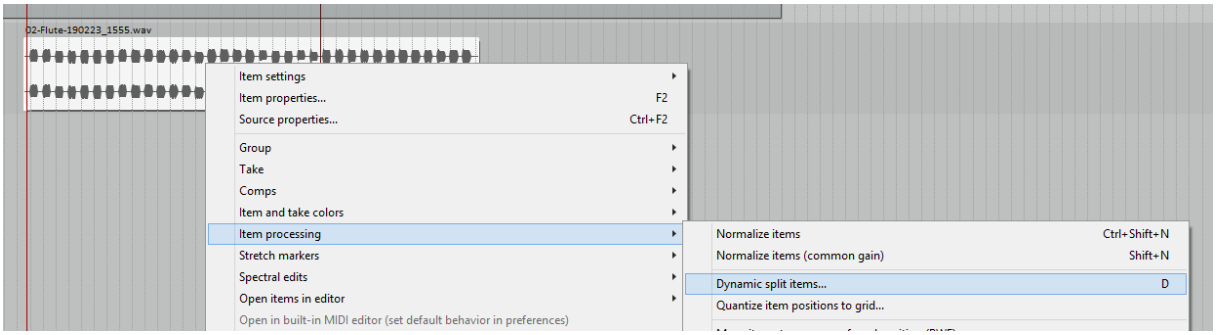
8.4 MAKE A SOUND WITH REAPER DAW

8.4.1 Record all the notes

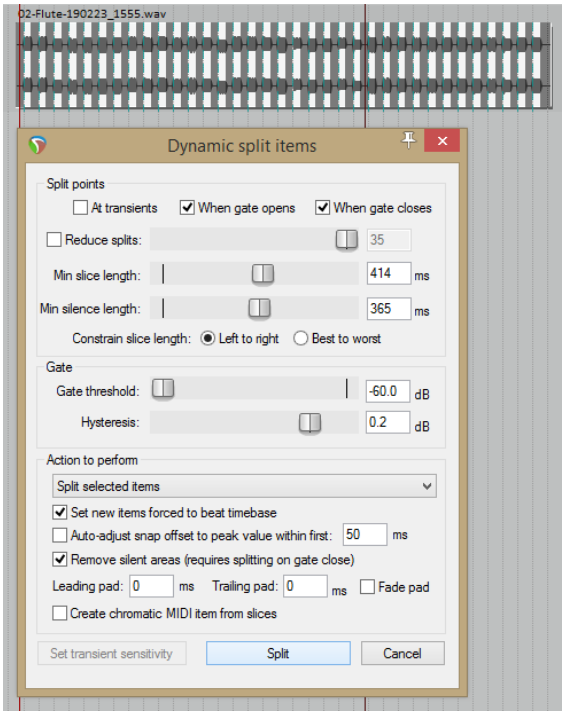
8.4.2 Split all the notes

Select the track

Right click -> Item processing -> Dynamic split item



Don’t forget to click on SPLIT

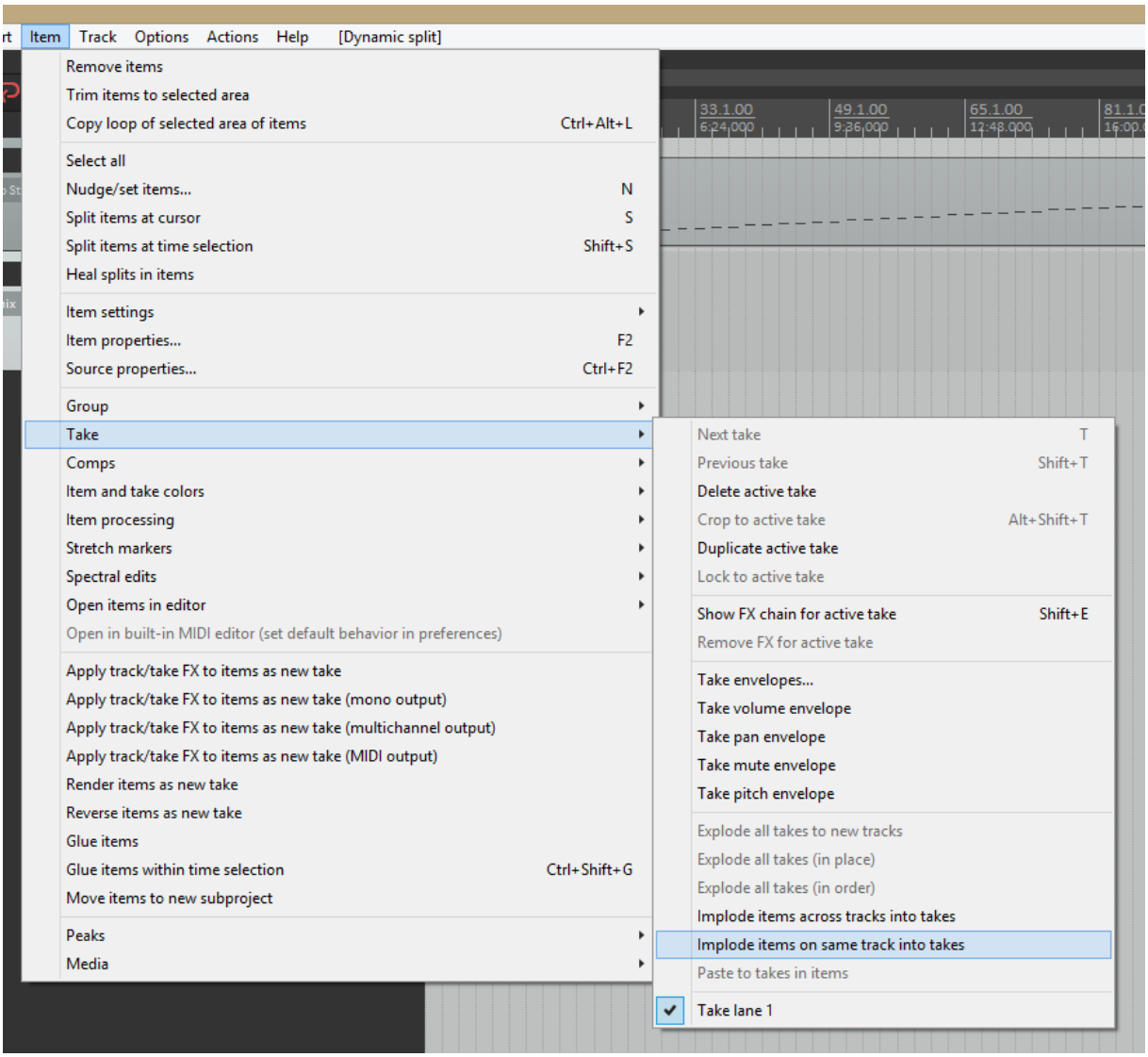


Now you have split the track in 35 pieces

8.4.3 Create one track per note

You must create multi takes on one track with the previous split track

Item->Take->Implode items on same track into takes

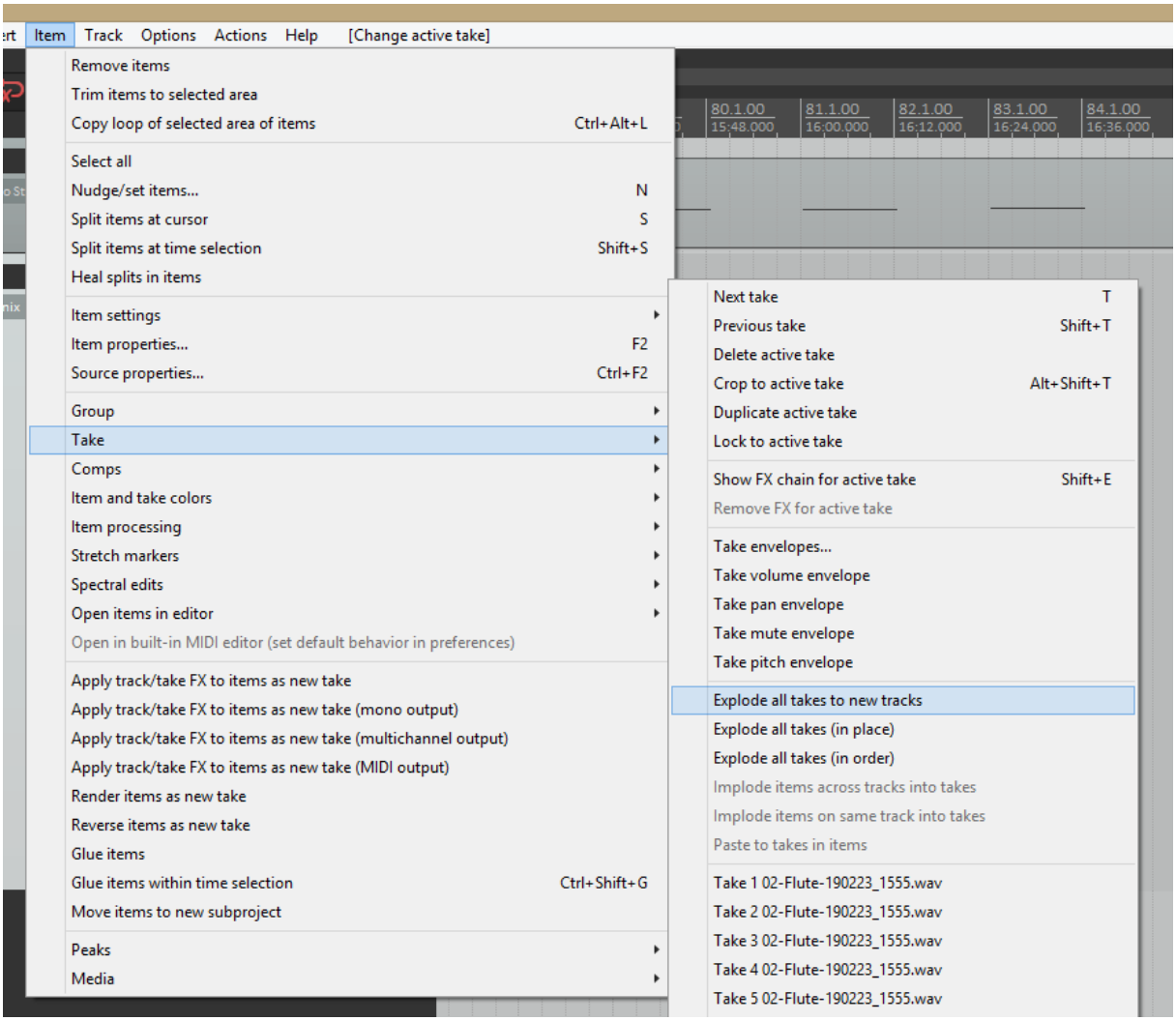


Now you have 35 take on one track

8.4.4 Create one track for each note

Now you need to export all this takes into separates tracks

Item->Take->Explode all takes to new track

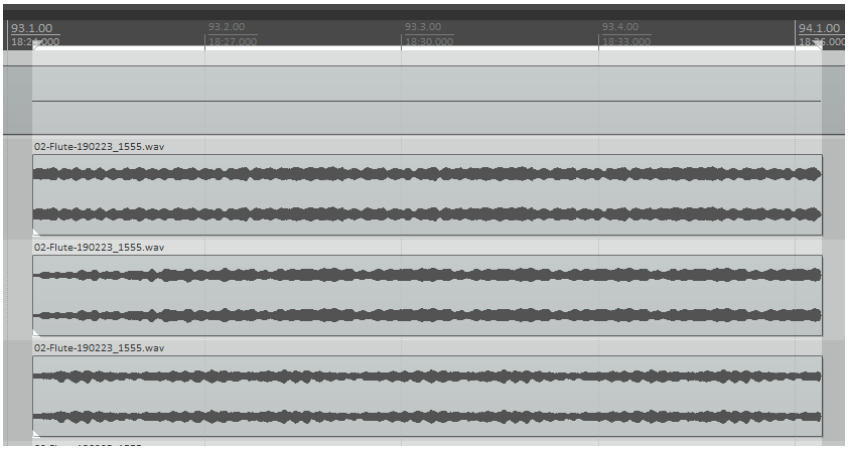


So you have 36 tracks

Don’t forget to delete the first one

8.4.5 Export all the wav files

Select the beginning and the end of the tracks



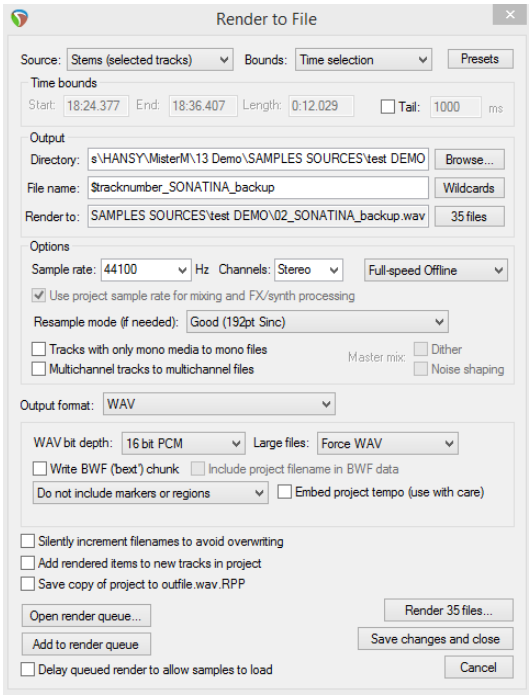
Go to the render menu Files->render

Select stems for sources and Time selection for bounds

Select the output directory and the format of the output name files

(You can add a track number wildcard on the beginning for example)

The output format file must be at 44100Kherts/16bits/Stereo



Click on render button

8.5 CONTENT OF THE GOOGLE DRIVE

You can access to the google drive HERE

- Screen update file — MisterM_V1.0.tft
- Firmware — MisterM_Firmware_V1.0.hex
- This User manual — USER MANUAL.pdf
- Midi file to record sound
- Midi sysex file for Mister-M- sound pack n°1
- Link to the Mister-M- sound pack n°1

9 HARDWARE INFORMATION