dafm synth
genesis ym2612 / ym3438

user quick guide v1.0

kasser

midi in
(din 5 connector)

power in
(micro usb 5v)

on / off - volume

audio out
(3.5 mm jack)

operator 1

operator 2

operator 3

operator 4

ym2612 / ym3438

left knob: operator
left switch: cancel
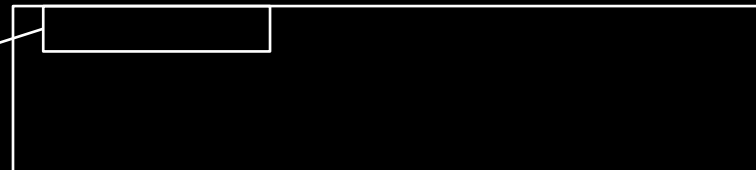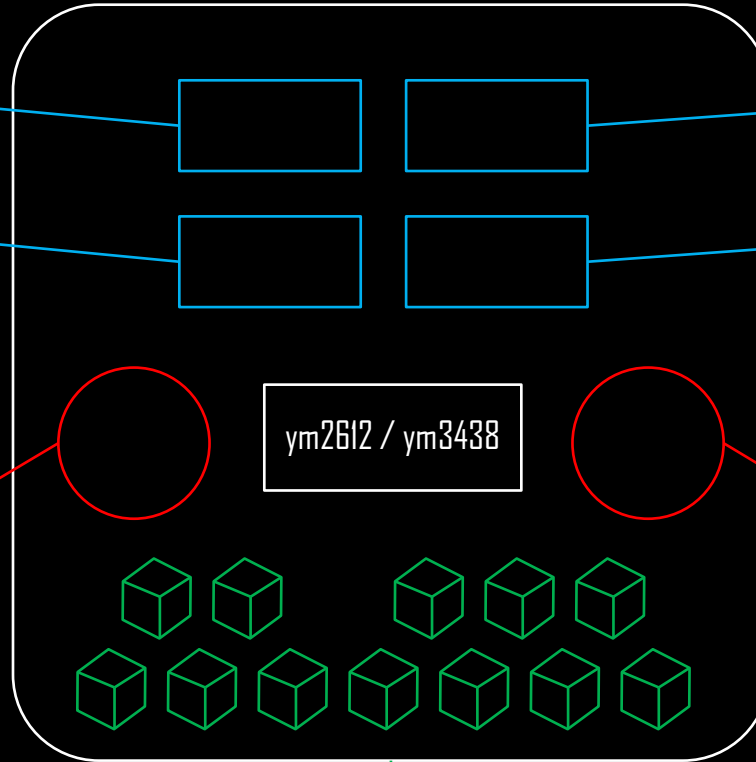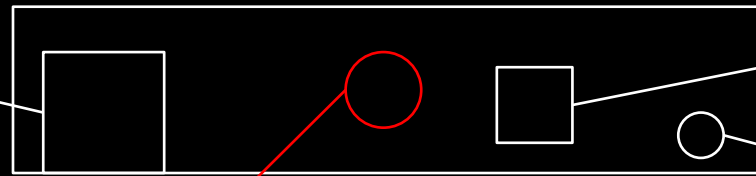*hold + right knob: octave

right knob: menu
right switch: ok

touch keyboard 12 notes

sd card
*for 100 % compatibility
use sd formatter software

menu 1 feedback & algorithm

feedback left knob
degree of modulation of operator 1 to itself

algorithm right knob

*modulators are the operators that modulate the carriers
to which they point with their output arrow
 *carriers are the operators you can hear

menu 2 frequency ratio

frequency multiplier left knob
operator's frequency multiplier

frequency fine detune right knob
fine detune of selected frequency multiplier

*different frequency ratios between carrier and its
modulator will produce different overtones

menu 3 adsr envelope

3.1 attack rate left knob
3.1 total level right knob

3.2 decay rate left knob
3.2 secondary total level right knob

3.3 secondary decay rate left knob
3.3 release rate right knob

3.4 rate or key scaling right knob

menu 4 low frequency oscillator (lfo)

4.1 lfo on/off 4 operators left knob
4.1 lfo frequency 4 operators right knob
global for 4 operators

4.2 frequency modulation sensitivity 4 operators right knob
global for 4 operators

4.3 amplitude modulation on/off left knob
4.3 amplitude modulation sensitivity right knob
for every individual operator

menu 5 ssg envelope generator

ssg eg mode on/off left knob

ssg eg type right knob

*ssg eg mode will loop the adsr envelope in the corresponding operator from attack rate to secondary decay rate (both included)

menu 6 fm patches and midi channels

6.1 load in ram for editing: preset selection left knob
6.2 save in ram after editing: preset selection left knob
*the numbers shown correspond to the midi channel
*midi channel 1 has 6 voice polyphony. channels 2 – 6 are monophonic
* number on top shows the preset that is being edited

6.3 load all six presets from sd card
*presets need to be named as patch0x.dmp (x from 1 to 6)

6.4 save all six presets to sd card
*presets need to be renamed from patch0x.DMP to patch0x.dmp (x from 1 to 6) to load correctly on Deflemask software

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