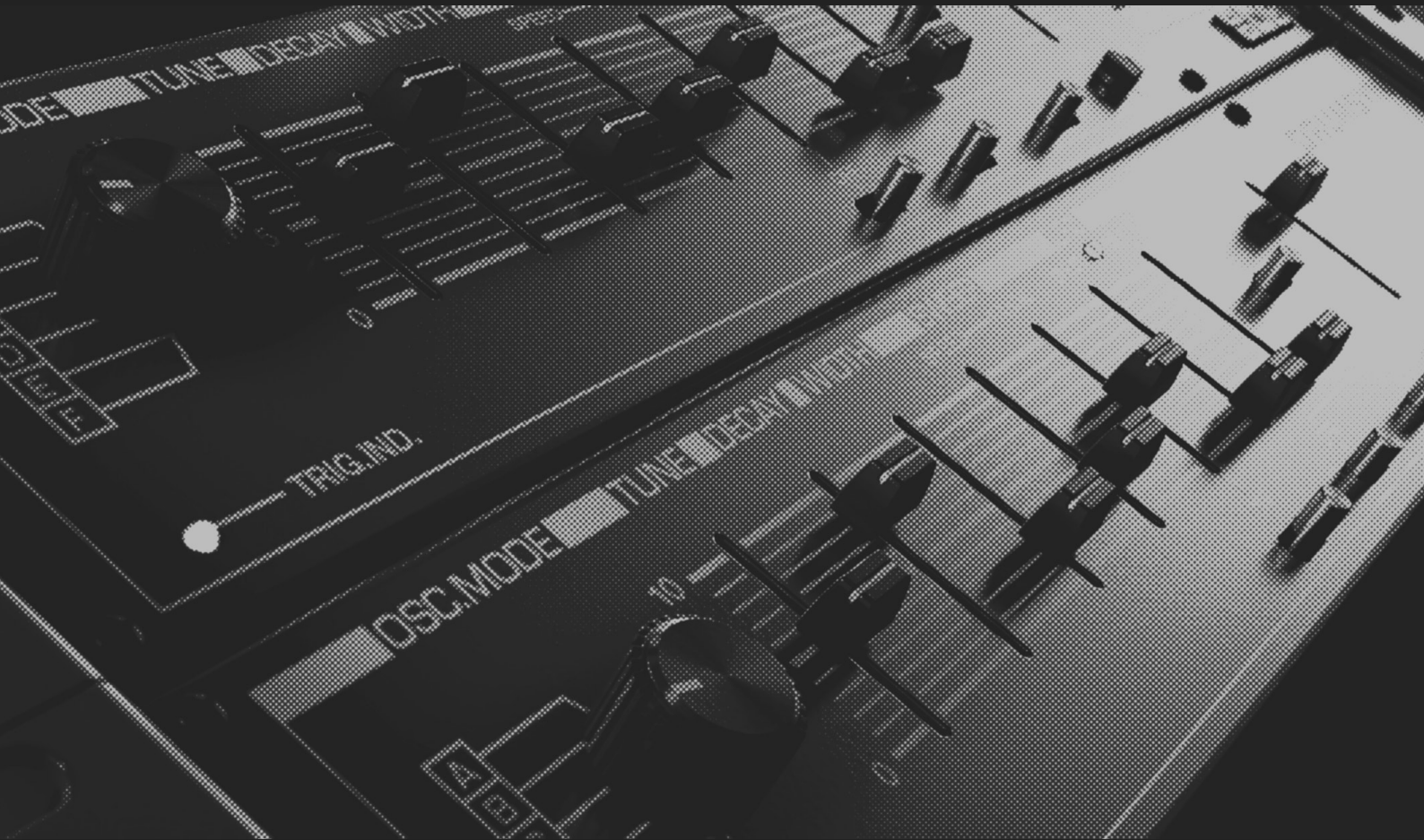


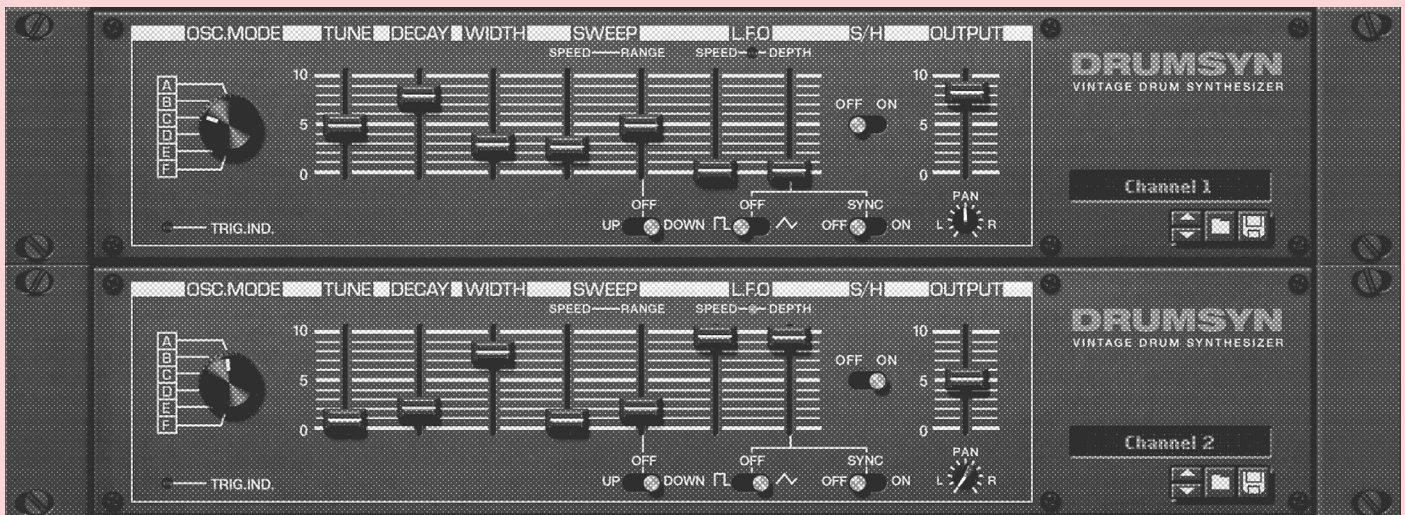
DRUMSYN

Vintage Drum Synthesizer



DRUMSYN

Vintage Drum Synthesizer



Two instances of DRUMSYN will resemble the original hardware.

Operation:

TRIG INDICATOR LED –will light up when notes are received.

OUTPUT – Level of output signal can be adjusted.

PAN - Output can be panned LEFT and RIGHT.

Patch bank:

Save patches with the floppy icon and load with the folder icon. Browse in the current patch folder with the up/down arrows.

LFO SECTION

SPEED – Adjust the rate of the low frequency oscillator to enable vibrato to be added to the pitch.

DEPTH – Controls the amount of pitch movement, at the speed determined by the SPEED fader.

OSCILLATOR

OSC MODE – The wave frequency, variation range, and noise of the 2 oscillators are pre-set.

- A – VCO 1 ONLY
- B – VCO 1 MOD- -> VCO 2 FREQ.
- C – BOTH VCO'S
- D – EG 1 MOD. -> VCO1, EG2 MOD -> VCO2.
- E - VCO 1 MOD. -> VCO 2 (SAW)
- F - NOISE, NO VCO

TUNE – will adjust frequency of the oscillators and the filter.

DECAY – Adjust the decay time of triggered notes.

WIDTH – Adjust the filter cut off frequency.

SWEEP SECTION

SPEED – Adjust the rate of transition from the original pitch sounded when a note is triggered to a final pitch determined by the sweep section RANGE control.

RANGE – Controls the final pitch heard when the sweep section movement switch is UP or DOWN.

OFF - UP - DOWN –Controls the direction of pitch movement either UP or DOWN. In the OFF position the SWEEP section SPEED and RANGE are inoperative.

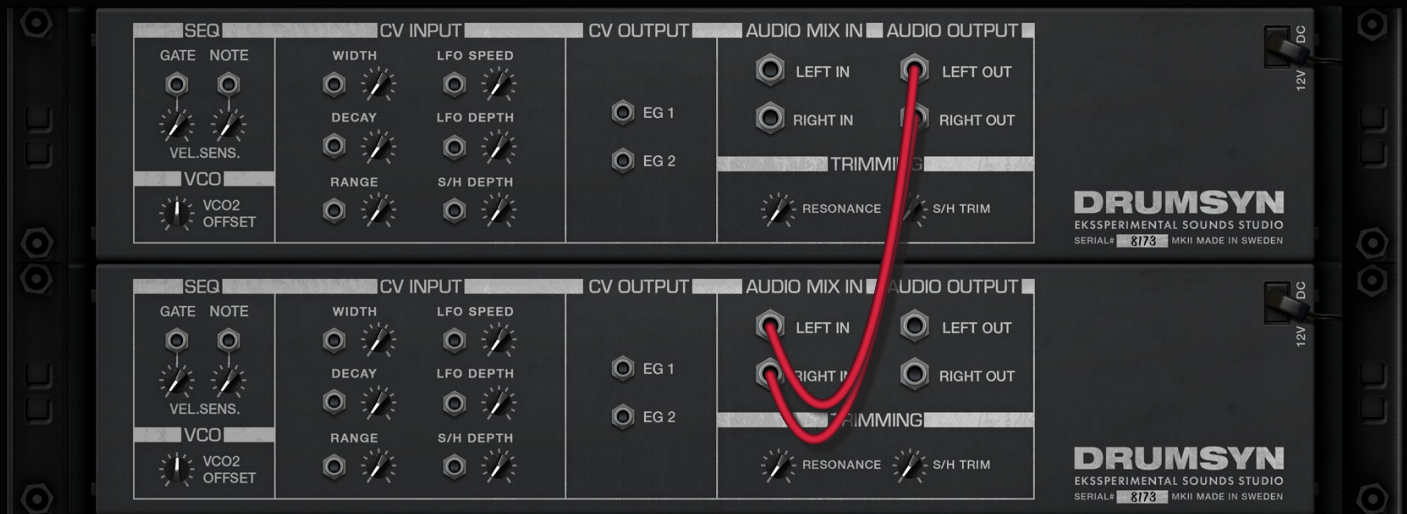
OFF - SQUARE - TRI –This switch determines the wave shape employed by the LFO section, a square wave results in abrupt pitch changes, a triangle wave results in continuous movement. When set to OFF the LFO section SPEED and DEPTH are inoperative.

When SYNC switch is set to ON the LFO will sync to sequencer.

S/H (Sample & Hold) –This switch adds a sample and hold modulation to the pitch. S/H will operate even if LFO is set to OFF.

When S/H is switched ON the tune will automatically change with each new note.

BACK PANEL



Daisy chaining, combining two instances on one stereo track

SEQUENCER

CV Connections for GATE and NOTE - connect to sequencer.

VELOCITY SENSITIVITY - the trim knob below GATE will set LEVEL sensitivity, the trim knob below NOTE will set PITCH sensitivity.

VCO2 OFFSET - Adjust the base pitch of VCO2.
(Original is 12 o'clock)

CV INPUT

CV Connections for WIDTH; DECAY, RANGE, LFO SPEED; LFO DEPTH and S/H DEPTH.
These will add to the amount set on the front panel. If feeding with negative CV it will subtract from the amount set on front panel.

CV OUTPUT

Outputs of both enveloped.
EG1 speed is controlled by the DECAY fader and EG2 speed is controlled by the SWEEP SPEED fader.

AUDIO MIX IN

This jacks will send the input unaffected to the output jacks. Used for daisy chaining several devices.

TRIMMING

Use these knobs to trim
RESONANCE (original is zero) and
S/H depth (original is 12 o'clock)

ABOUT

DRUMSYN was created with GORILLA ENGINE for the Reason Rack.

I've used my diy T.H.C clone as reference and calibrated every parameter as close to the hardware as possible. In some cases I've extended the range (eg. TUNE to reach the next full octave, so that the range is slightly wider then the hardware). In short; where the hardware had limitation on the negative side I compensated that to make a more useful and well sounding Rack Extension.

Keep in mind that there might be differances between different hardwares due to components, tuning etc. I can just say that I'm very pleased with how the RE came out and that it is really, really close to my hardware and definitley captures the spirit of the the legendary SY1.

Enjoy DRUMSYN in your rack!
Cheers, Erik