

# DML Sssaw User Manual Rev. F

## Powering the module:

Disconnect your system from mains.

Check the power cable polarity. According to eurorack specification, the red stripe on the cable should be connected to pin 1 of the power plug and carry -12V.

On the module, there is a stripe to indicate pin 1 of the power header.

This module has polarity protection diodes.

If you plug it in the wrong way, it will not be powered.

Sending voltages into the module while it is not powered may damage the module.

## Functions of the module:

The Sssaw is a six core supersaw VCO.

It uses six individual oscillator cores based on a single CD40106 chip.

It has Coarse and Fine tune knobs, a 1V/Oct pitch CV input and a modulation input with attenuator.

At the highest setting, the mod input is also 1V/Oct.

The spread control knob and CV input detune the six cores against each other, with a switch to select the detune range.

In the lower position, the detune range is ~2 semitones.

In the higher position, the detune range is ~1 octave.

The module has one audio output, 'Sssaw', which is the summed output of the six cores.

## Technical information:

Current requirement: 35mA@+12V, 35mA@-12V

8hp, 40mm depth (including power connector)