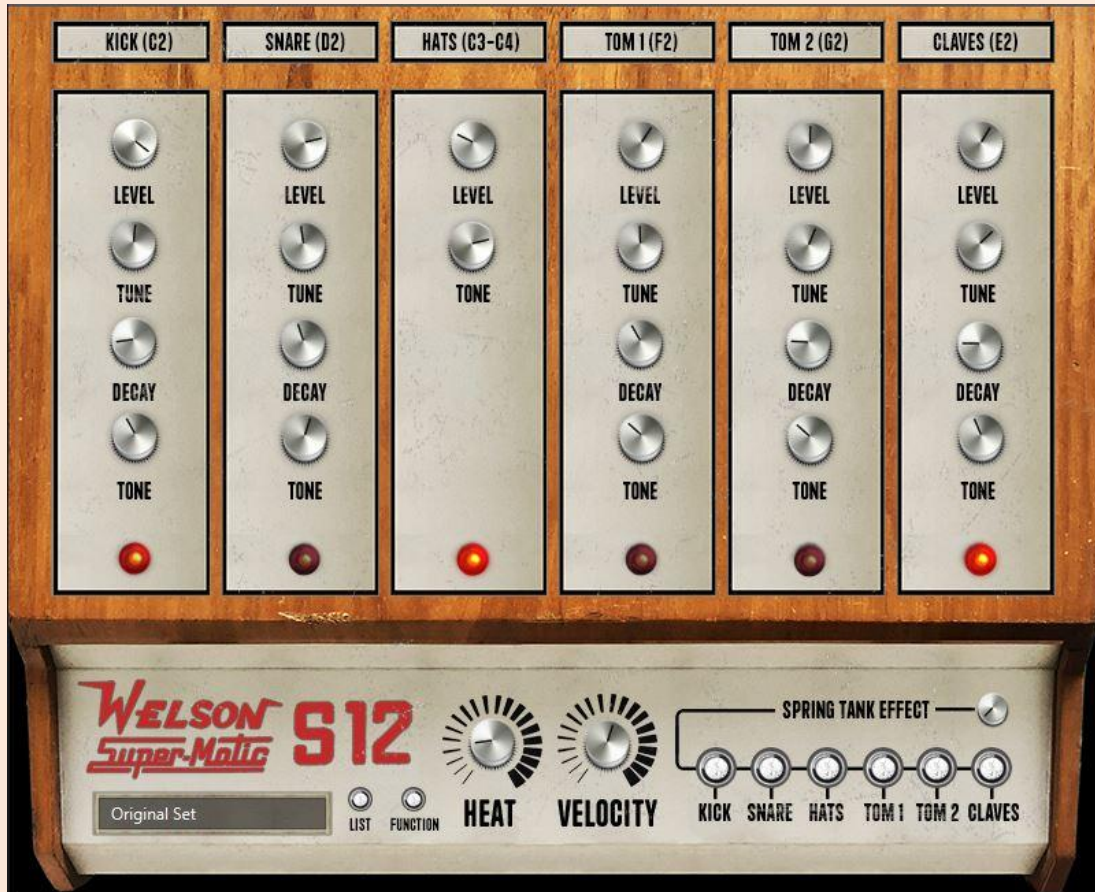# DIGITAL SYSTEMIC

By Valmont Naudin
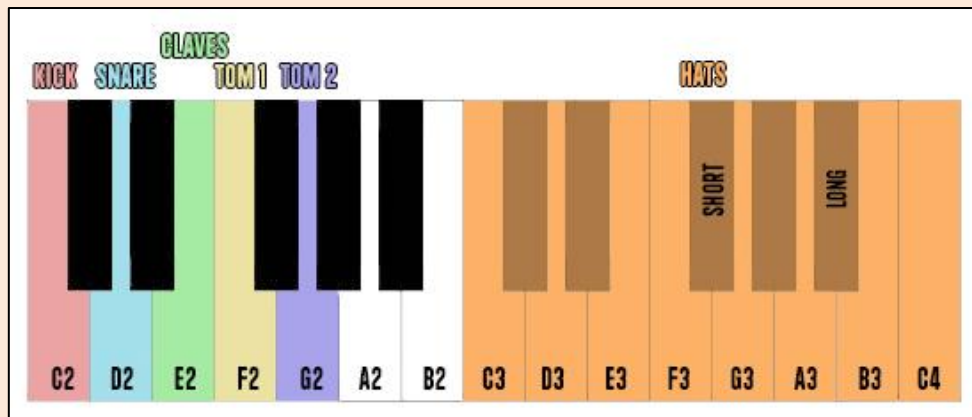
SUPERMATIC S-12 MANUAL

This software is an emulation of the 1971 Welson Supermatic S-12 preset drum machine. The original unit can only play patterns without any instrument parameter, those were added in this plugin. The MIDI files included are transcriptions of the S-12's rhythms. Just drag and drop in your DAW to get the Supermatic grooves.

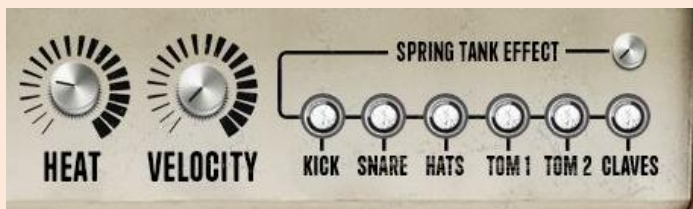Details about the sound engine are provided in the 'schematics' file!

MIDI ZONES

Level: independant instrument level
Tune: main sound body pitch
Decay: main sound body decay/release
Tone:
- Kick: impact cutoff
- Snare: noise/body mix
- Hats: noise cutoff
- Tom 1: impact's pitch, volume and low pass filter
- Tom 2: impact's pitch, volume and low pass filter
- Claves: impact's pitch, volume and low pass filter

Heat: instruments VCA overdrive, also impacts parameters variability
Velocity: affects the post-drive / pre-reverb output for each instrument
Round switches: on/off send to the spring tank effect bus
Knob on the right: echo return to main output

Hats decay is controlled by the keyboard pitch, this is why there is no decay parameter. Note that the original's short decay is F#, and the long one is A#.