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 Nicholas Jaar: Essential Mix 2012
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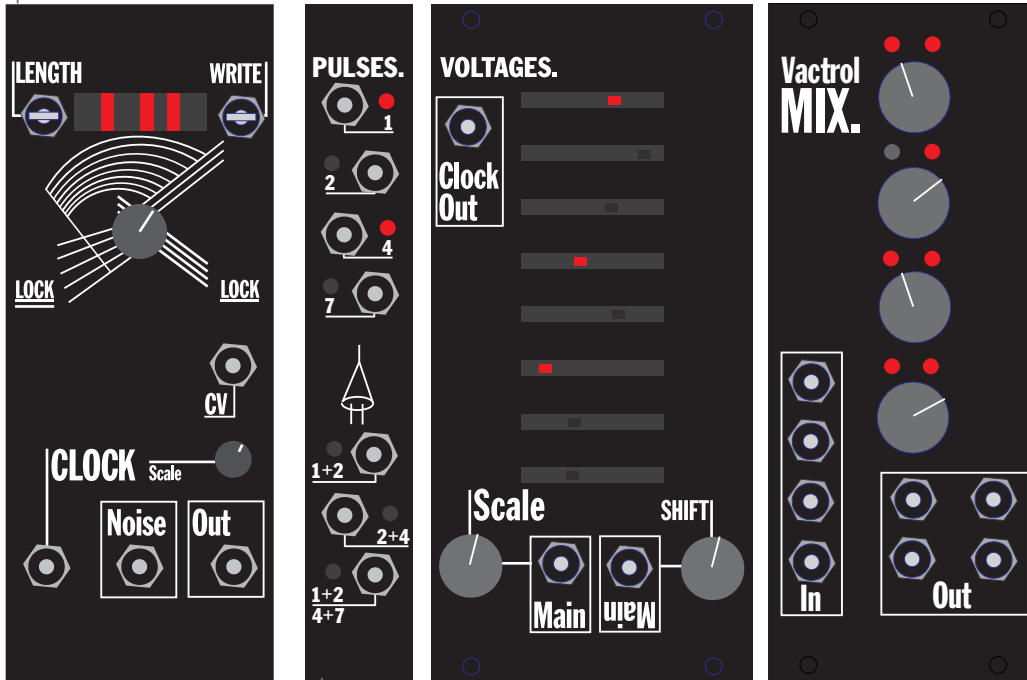
Music Thing Modular

**Open
 source
 Eurorack
 modules.
 Designed
 in London
 and built
 worldwide.**

**Module guide
 May 2015**

Turing Machine

A random looping sequencer. It generates strings of random voltages that can be locked into 8/16/32 step sequences. These sequences can be allowed to slip, changing gradually over time. This module was inspired by the long history of shift register pseudorandom synth circuits, including the Triadex Muse, Buchla 266 Source of Uncertainty and Grant Richter's Noising.



How it works

Find everything you need to build these modules at www.musicthing.co.uk Full kits are often available from Thonk: thonk.co.uk

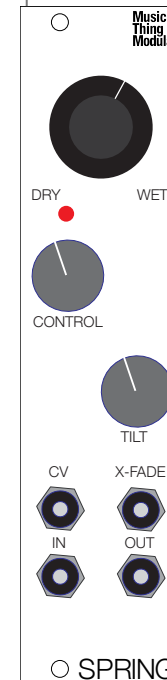


Turing Machine Expanders

These modules connect to the back of the Turing Machine **Pulses** turns the sequence into a series of rhythmic semi-random clock signals, based on the main clock input **Voltages** adds two more control voltage outputs, determined by the positions of the 8 illuminated faders **Vactrol Mix** combines four audio or CV signals into two channels, determined by the random sequence. It's a great way to create stereo effects, complex waveforms or feedback loops.

Spring

A flexible, easy-to-build voltage controlled mono spring reverb. It can use full-sized reverb tanks or solid-state modules. The circuit is optimised for full-range electronic music, unlike most guitar-led spring reverbs.

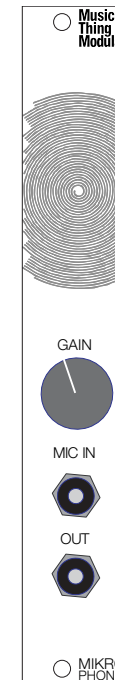


Mikrophonie

A mic preamp with a piezo contact mic built into the panel. An easy way to bring environmental noise and feedback into a modular system, inspired by the early days of electroacoustic music in Paris and Cologne.

Radio Music

A voltage controlled sample player that behaves like a radio. It plays files from a SD card to simulate a AM/FM/Shortwave/Time Travel radio. It's Arduino compatible (built on a Teensy 3.1) with fully hackable firmware.



Simple EQ

Learn SMD soldering by building two channels of the kind of tone controls you'd find on an old hifi. No voltage control, but just enough range to push sounds into distortion. Works well in a feedback loop.

