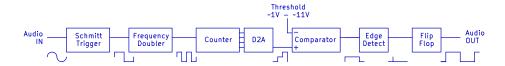
Subharmolizer

Eurorack Module to generate a square wave subharmonic of an input audio signal

Block Diagram



Issues with rev1

- needs frontend filter to remove freqs > -4kHz
 (or: the frequency doubler needs tweaking to support higher freqs)
- 2. output vol seems v low
- 3. need to add CV override to Threshold input
- 4. phase of output is unpredictable freq doubler can see a -ve change before a +ve one
- bonkersness when Threshold set very close to an exact level coming from D2A maybe need some hysteresis?
- 6. might be nice to add a second counter to allow for more subharms or perhaps use a CD4024 or such instead of CD4516 we're not using the preset
- 7. output square wave has a significant spike on the leading edge

Schematic
File: subharmolizer-schem.kicad_sch

molen, inc.

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File: subharmolizer-rev2.kicad_sch

Title: Subharmolizer Overview

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