NLC Bools

Logic module with interchangable CMOS Logic Gates + S&H https://www.nonlinearcircuits.com/modules/p/bools

This is a multi-purpose module that can be used in a number of ways. It can be used for basic logic functions to generate complex gates. Using multiple inputs allows the creation of a variety of different but related gates which can be used to create complex but nicely sync'd patches. There is a R2R ladder to create a stepped CV signal that corresponds to the gate outputs, this is also fed thru a gate (or CV) controlled sample & hold/Slew circuit to create a smooth output.

Some tricks(depends on your choice of

- Use the module to process audio signals and feed the outputsback into other inputs.

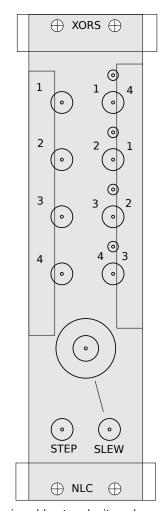
 BOOLs can be used as an envelope generator. Choose an input to determine the height (1 = low, 4 = high), set the slope with the Slew pot, feed the S&H input with various signals to vary the envelope shape.

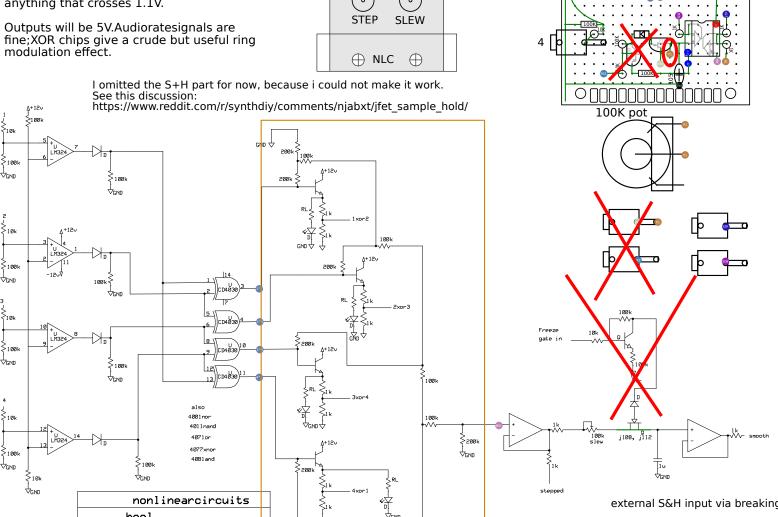
Suitable chips are 4001 NOR **4011 NAND** 4071 OR 4081 AND 4077 XNOR 4030 or 4070 XOR

For me, the OR, XNOR & XOR chips are the most interesting.

The input signals can be pretty much anything that crosses 1.1V.

Outputs will be 5V.Audioratesignals are





board 2