Relaxation Oscillators

Two Inverter–based Relaxation Oscillators with Timbre Pot acting as a detune

XOR Ringmod

NAND–based XOR Ringmod

HPF

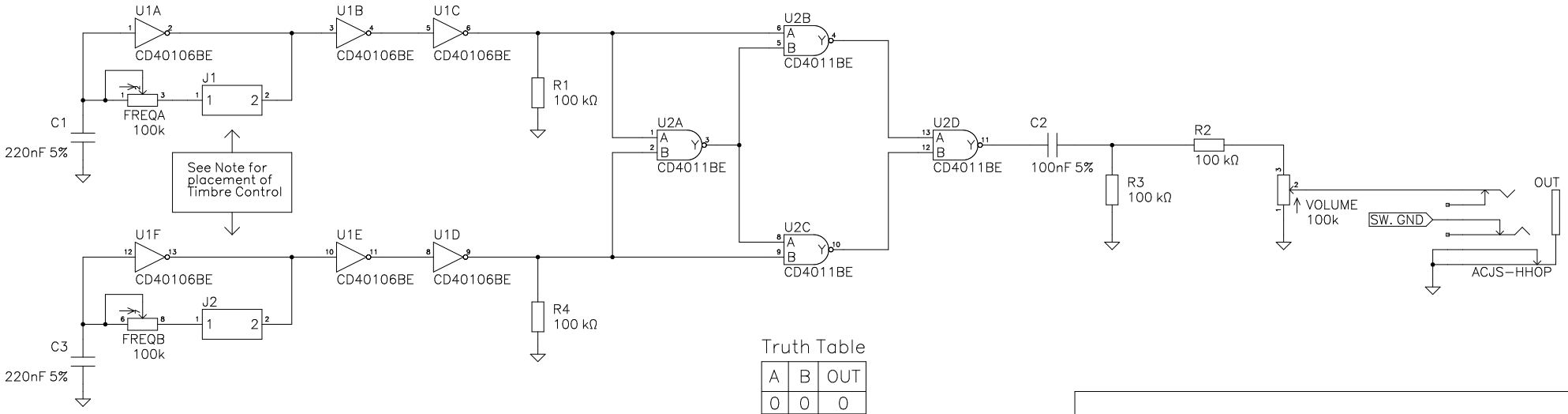
Attenuate Frequencies below 16 Hz

Volume

Set output volume

Output

If cable is unplugged GND is disconnected from the circuit and the device switched off

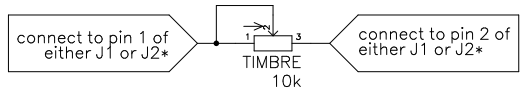


Truth Table

A	B	OUT
0	0	0
0	1	1
1	0	1
1	1	0

The Timbre control must be connected to either J1 or J2.
This gives you the possibility to react to the combined tolerances of the dual gang potentiometer and the capacitors.

The other Jumper must be bridged, so it's Pin 1 and Pin 2 are connected!



*decide with your ears and fingers

Power In

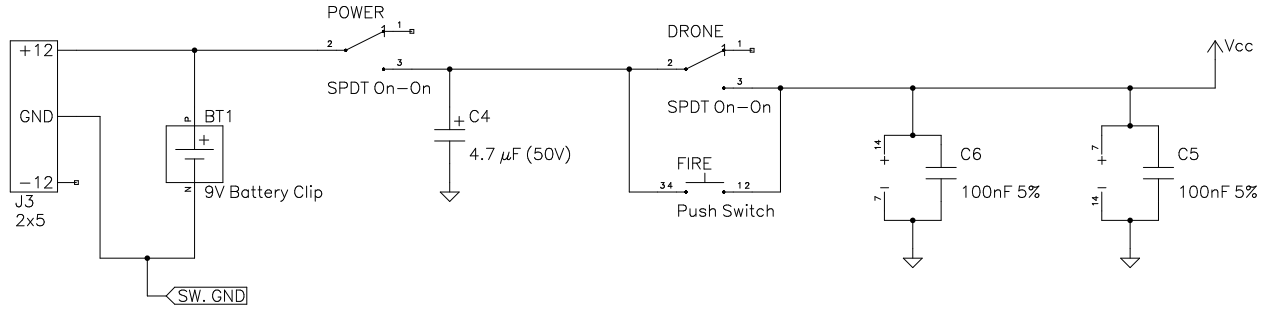
Power Switch

Sound On

IC Power

U1

U2



GND will be connected here if output cable is plugged in

Sheet: Main	Number: 1/1
Project: Le Truc	Revision: 1.0
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Date: 2019–10–19	

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