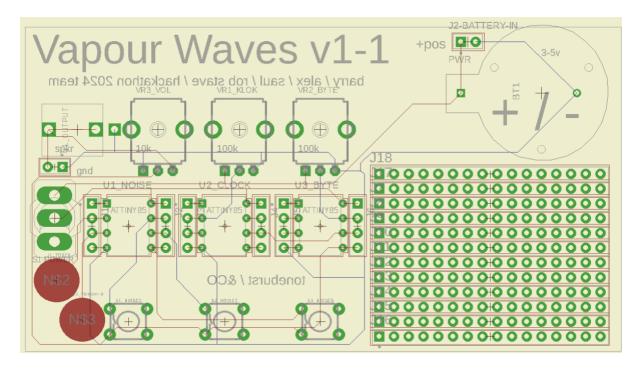
Vapour Waves v1-1 Build Doc



There are three ATtiny85 chips used to build this <u>Vapour Waves v1-1</u> instrument The code was taken from https://robstave.github.io/acs/

The instrument uses the following three sketches uploaded onto the chips via Arduino:

ACS 85 0003 alternating-freq

ACS 85 0652 Bytebit

ACS 85 0006 squarewave withPWM

The design can be powered by vape battery. It is important to in clude a protection cirucit if this power option is used instead of the conventional 3v CR2032 'watch battery'. I have used TP4056 5V 1A Micro USB 18650 Lithium Battery Charging Board Module TP4056.

Pots	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
ATtiny chips	https://www.mouser.co.uk/ProductDetail/556-ATTINY85-20PU
push button	https://www.ebay.co.uk/itm/253096813556
jack	https://www.thonk.co.uk/shop/thonkiconn/
IC sockets	https://www.ebay.co.uk/itm/224469315790?var=523252521005
battery snap	https://www.ebay.co.uk/itm/354577855669
	https://www.aliexpress.com/item/4000680248707.html?spm=a2
switch	g0o.order list.order list main.5.4ecc1802zSibol
lithium battery	
recharge protection	https://www.ebay.co.uk/itm/364553696920