



Agrippa Build Doc

AGRIPPA is (dare I say?) the world's first stereo "ring modulator" named after the German philosopher Heinrich Cornelius Agrippa von Nettesheim (1486 –1535). It goes about ring modulating in a different manner altogether, using a CMOS infrastructure to create new and harsher sounds. There is no blend or mix knob on this thing as I designed it to be loud and abrasive. It has only a COARSE or CV pot for regulating the harshness of the modules. I do however recommend trying it while blending it with an external mixer to create more subtle results, my favorite here is before a reverb such as Distorted Light with the ring modulation turned to really low to create a more glowing subtle sound.

Operation of this device is straight forward. Input 1 is normaled to input 2 so you can connect a mono signal into it and have stereo out (or why not a stereo signal into both channels). It only has one CV input and when plugged in the knob works as an attenuator for the incoming signal. With nothing plugged into CV the pot works as COARSE, pot changing the sound manually (the led works backwards in this mode). The LED pretty much shows what is going on with this input and how the sound changes. As with many of my modules the CV input uses an unusual approach using an Infrared optocoupler and since infrared is super fast this CV input gives great signal with a faster CV signal like audio or audio rate signals. I prefer using it this way like the ring modulators of olden times, using a carriers

signal (this doesn't implent this old fashioned approach but mimics it using a completely different approach).

Power consumption:

+12v 40mA

-12V 0 mA

Build guide:

Building this is straight forward. I usually place the power header and solder it in first. Then I place all the jacks and solder in the ground pin (the one sticking out from the jack) from above. Place the pot the led (short leg through the square pad) put the panel on and make sure everything looks good from the front. Solder everything in. Double check for any shorts before plugging it in. You are then done. Please enjoy AGRIPPA the abrasive "ringmod"..

BOM

Part	Designator	QTY	INFO	Product link
Thonkiconns	J1-J5	5		thonk, tayda, aliexpress: https://www.thonk.co.uk/shop/thonkiconn/
Alpha 9mm potentiometer T18 100K Lin	RV1	1	COARSE POT	https://www.thonk.co.uk/shop/alpha-9mm-pots-vertical-t18/
LED white 3mm	D1	1		https://www.taydaelectronics.com/leds/round-leds/3mm-leds/white/led-3mm-white-water-clear-ultra-bright.html
Eurack power pins 2x5	For RV2-RV5	4	Must be Black	https://www.thonk.co.uk/shop/micro-knobs/
Micro knob T18 black	SW 1	1		https://www.thonk.co.uk/shop/micro-knobs/

