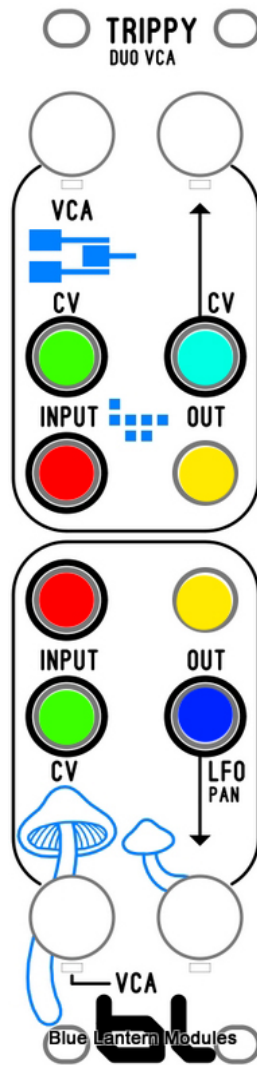


Trippy Dual VCA



Red Jack: Input jack for the VCA. There are two VCA circuits found on this module. The red jack above is for the input vca above, the red jack below is for the input vca below. This input can be audio, or voltages, positive or negative. -5v/+5v is the range.

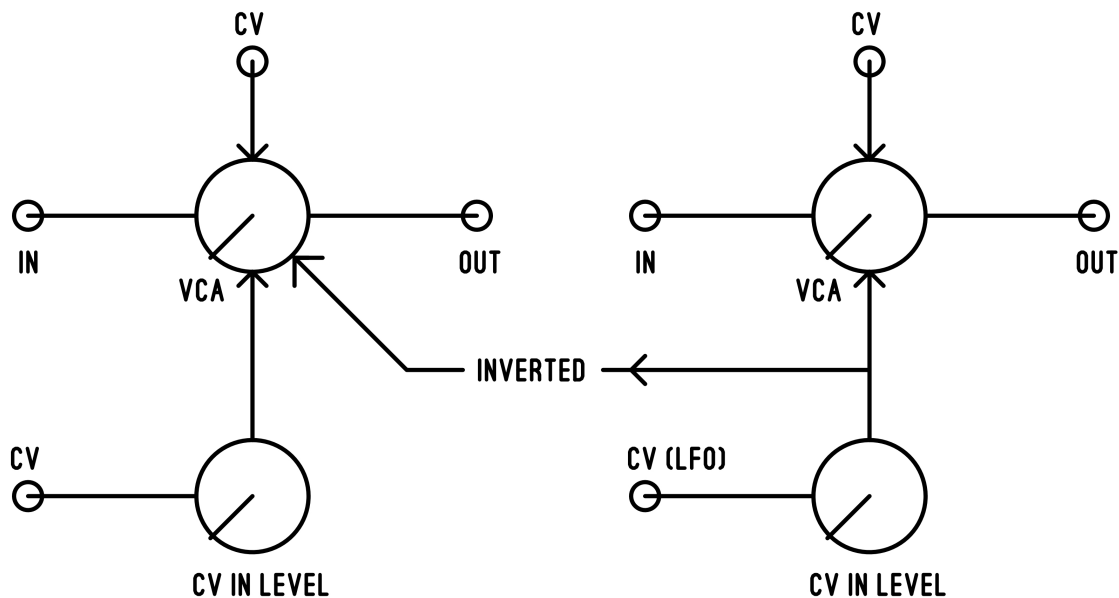
Yellow Jack: Output jack for the VCA. There are two VCA circuits found on this module. The yellow jack above is for the output vca above, the yellow jack below is for the output vca below. Depending on the signal patched into the input, this output will be the same phase. The gain however will change according to the CV used, and if any. So for example a Ramp wave will not output a Saw wave (inverted phase), and the gain will vary because your using the CV portion of the VCA (if any).

Green Jack: CV inputs for the VCA's. These are direct CV inputs. There are no Level Knobs on these.

Aqua Jack: CV input for the above VCA circuit. This has a Level Knob parameter, used to adjust the input level on the aqua CV jack. We call these level parameters Attenuators.

Trippy Dual VCA

Blue Jack: CV input for the VCA below, and inverted phase internally patched to the VCA above. This input has a Level knob. If you patch an LFO into this CV input it will affect both VCA's on this module. This input is nice to use for panning effects.



VCA knob manually opens or closes the amplifier inside. In use you patch audio into the module, and adjust the VCA knob until you close or mute the audio signal. A positive voltage patched into one of the CV inputs will then 'open' the vca allowing audio signal to pass onto the output. The performance of the VCA is dependent on the CV signal. For example a Gate signal patched into the CV jack will have the VCA behave like an on/off switch. A triangle wave on the CV input jack will have the VCA fading in and out.

All input jacks can handle -5v/+5v signals, and can handle positive only and negative only voltage signals (within the same modular system, Euro Format).

The Euro Format uses 12V power scheme so if you patch from another modular format that uses 15v power scheme or even 24v power scheme you do run the risk of working the op amps too hard. I do not recommend inter patching from other formats. However, if you know what you are doing and using attenuation, it is possible to patch between different formats. AGAIN I ADVISE NOT TO DO THIS!

IC Chips found on this product: VCA is v2164 Cool Audio IC. Op Amps are LF353.

Trippy Dual VCA

EURO FORMAT SPECS:

CURRENT: +30mA, -40mA

WIDTH: 6HP

PCB STACK LEVEL: ONE, SKIFF COMPATIBLE.

RIBBON POWER: -12V GND GND +12V, NO 5V REQUIREMENT NEEDED.

ALL BLM PRODUCTS USE RED STRIPE FOR NEGATIVE POWER INDICATION.