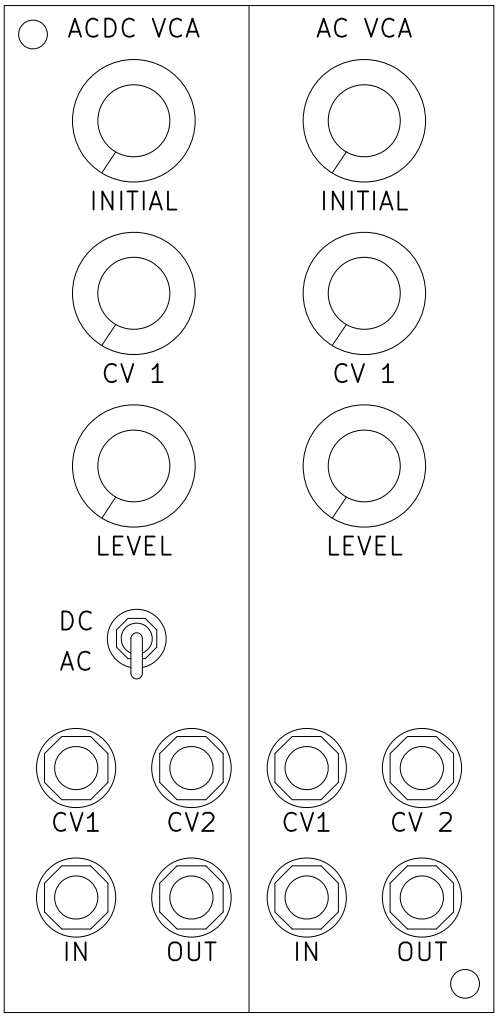
.: Dual VCA User Manual :.

Brief:

This module contains two linear Voltage Controlled Amplifiers. One of these VCAs has a switch to select either AC or DC coupling, the other is hardwired for AC coupling.

Each VCA has two control voltage inputs, one of which has an attenuator. There is an initial bias control, and a final output level control for each VCA as well.

Panel layout:



Description of the controls:

- INITIAL: this knob sets the initial bias for the VCA. With no external CV plugged in to the CV1 and CV 2 jacks, this control will silence the signal when turned fully counter-clockwise. Turning this control farther clockwise will increase the gain of the VCA, reaching unity gain when the control is turned fully clockwise.
- CV 1: this knob is an attenuator for any control voltage signal plugged in to the CV 1 jack.
- LEVEL: this knob is an attenuator for the output signal. When patching between modules within the synthesizer, this control will typically be left turned all the way up. Its primary use is to attenuate the large modular synth signal levels before patching to external gear, which may be expecting lower signal levels.
- AC/DC: this switch selects either AC or DC coupling for the first VCA. AC coupling will block all unchanging DC signals and significantly attenuate slow moving sub-audio signals. Select DC coupling if using the VCA to modulate control voltage signals, or AC coupling if processing audio and you want to eliminate any DC offset.

Description of the jacks:

- CV 1: attenuated control voltage input jack.
- CV 2: unattenuated control voltage input jack.
- IN: signal input jack.
- OUT: signal output jack. The signal appearing at this jack will be modulated by the sum of the INITIAL control and any control voltages present at the CV 1 and CV 2 jacks, and attenuated by the LEVEL control.

Calibration:

This module requires no calibration.

Current draw:

+12 volts: 25mA

-12 volts: 25mA