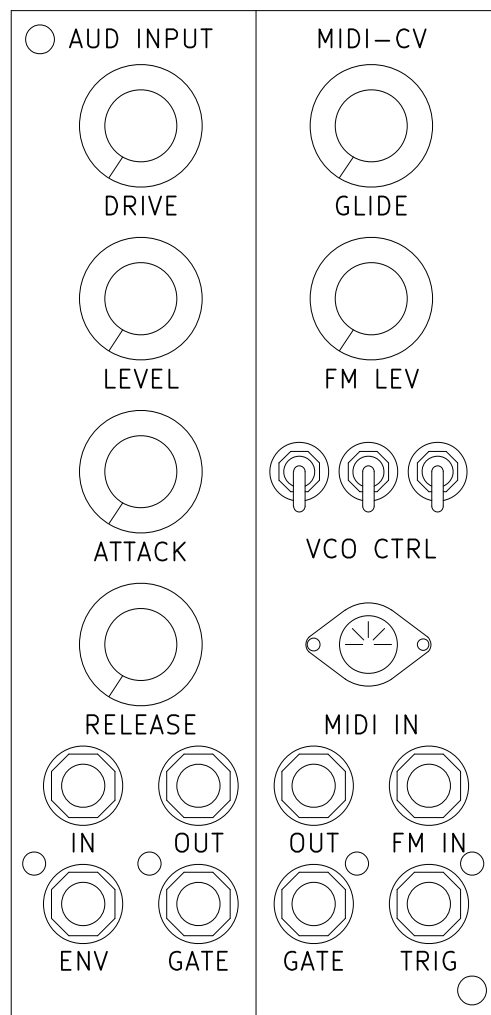


.: MIDI to CV User Manual :.

Brief:

Dual function module containing a MIDI to CV converter module and audio-input processor. The MIDI to CV side has a portamento control and attenuated FM in which is added to the CV signal. The audio-input processor has an adjustable gain preamp, and envelope follower, and a gate extractor.

Panel layout:



Description of the AUDIO-INPUT controls:

- DRIVE: gain control for the audio input.
- LEVEL: output level for the audio input.
- ATTACK: attack control for the envelope follower.
- RELEASE: release control for the envelope follower.

Description of the AUDIO-INPUT jacks:

- IN: audio input jack. This is intended to accept instrument or line level sources. The red-green LED near this jack indicates the audio level. Green indicates a healthy signal range, red indicates clipping is occurring. Clipping will not harm anything, and may even be desirable.
- OUT: amplified audio output jack.
- ENV: envelope follower output.
- GATE: gate output derived from the audio input. The red LED near this jack indicates the gate level.

Description of the MIDI to CV controls:

- GLIDE: portamento control for the MIDI to CV 1 volt per octave signal.
- FM LEV: attenuator for the FM CV signal which is added to the 1 volt per octave signal.
- VCO CTRL switches: assigns the 1 volt per octave signal to each of the three VCOs in the system when the switches are in the UP position.

Description of the MIDI to CV jacks:

- MIDI IN: standard MIDI input jack. Connect a MIDI keyboard or sequencer to this jack.
- OUT: the main 1 volt per octave CV signal.
- FM IN: attenuated FM input which is added to the main 1 volt per octave CV signal.
- GATE: the gate output. The LED adjacent to this jack indicates the gate level.
- TRIG: the trigger output. The LED adjacent to this jack indicates the trigger level.

Calibration:

This module requires no calibration.

Current draw:

+12 volts: 80mA

-12 volts: 50mA