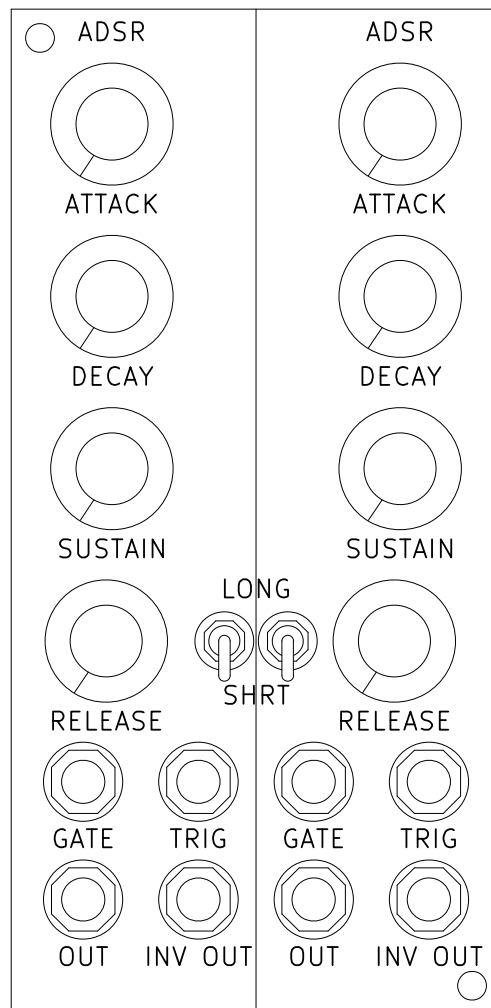


.: Dual ADSR User Manual :.

Brief:

This module contains two Attack Decay Sustain Release generators. Each ADSR has a switch to select either short or long time ranges. The ADSRs are re-triggerable, and an inverted ADSR output is provided as well.

Panel layout:



Description of the controls:

- ATTACK: the attack time control.
- DECAY: the decay time control.
- SUSTAIN: the sustain control.
- RELEASE: the release time control.
- LONG/SHORT switch: this switch selects long or short time ranges.

Description of the jacks:

- GATE: the gate input jack. A rising edge at this jack will cause the ADSR to enter an attack phase, and a falling edge at this jack will cause the ADSR to enter a release phase.
- TRIG: the trigger input jack. A short trigger at this jack will cause the ADSR to enter an attack phase.
- OUT: the ADSR output, range is 0 volts to +10 volts.
- INV OUT: inverted ADSR output, range is 0 volts to -10 volts.

Note about gate and trigger normalization:

The gate and trigger inputs are normalized behind the panel such that patching a gate into the leftmost GATE input jack sends the gate signal to both ADSRs, and likewise for the leftmost trigger input. To break this normalization, simply patch a gate/trigger signal to the rightmost GATE and/or TRIG input jacks.

This is provided as a convenience, so that you can fire both ADSRs with a single gate/trigger source, or fire them independently by plugging into both sets of gate/trigger inputs.

Calibration:

This module requires no calibration.

Current draw:

+12 volts: 70mA

-12 volts: 15mA