

General

The DUAL ADSR module combines two independent envelope-generators in a single module. In addition to the four standard parameters Attack, Decay, Sustain and Release, each envelope offers an adjustable Hold time between attack and decay phases. This allows add additional punch to percussive sounds with short decay and low sustain.

Set-up

DUAL ADSR is fully compatible to Doepfer's A-100 modular system - in size, bus-power and CV/Gate voltage. Connect the 16-pin cable to a corresponded 16-pin jack on the Doepfer mainframe bus. Supply voltage needs to be between +/- 9 and 12 volts, 5-volt connections are not required. The wattage is +/- 30 mA, the module size 12 TE (Teileinheiten).

ATTENTION: Please, check for correct polarity! The colored side of the connector-cable needs to point downwards so that the cable is not twisted.

Function

Both envelopes work independent. However, **Gate1** acts as common trigger-input with **Gate2** not being patched. The gate-inputs are also connected to the mainframe/system bus. Therefore, gate-signals from a buss-access module or an appropriate MIDI/CV-interface are available without front side patching. The mainframe bus triggers both envelopes simultaneously. Front side patching of the gate-inputs will disconnect mainframe-bus triggering.

The envelope phases are **Attack** time, **Hold** time, **Decay** time and **Sustain** level (for the duration the key is pressed). Once the key is released and the gate-signal is ended, the Release time sets in. A LED indicates envelope activity.

Usually, the envelopes work with logarithmic character. Switch **1 ° 2** sets **ADSR1** and/or **ADSR2** to a linear voltage character.

Each envelope offers two parallel outputs. This reduces the necessity of multiples, where two modules need to be triggered by the same envelope.

The gate-inputs require trigger-voltages between 5 and 12 volts. The CV-output signal is between 0 and 10 volts.



Operating Manual

DUAL ADSR Module