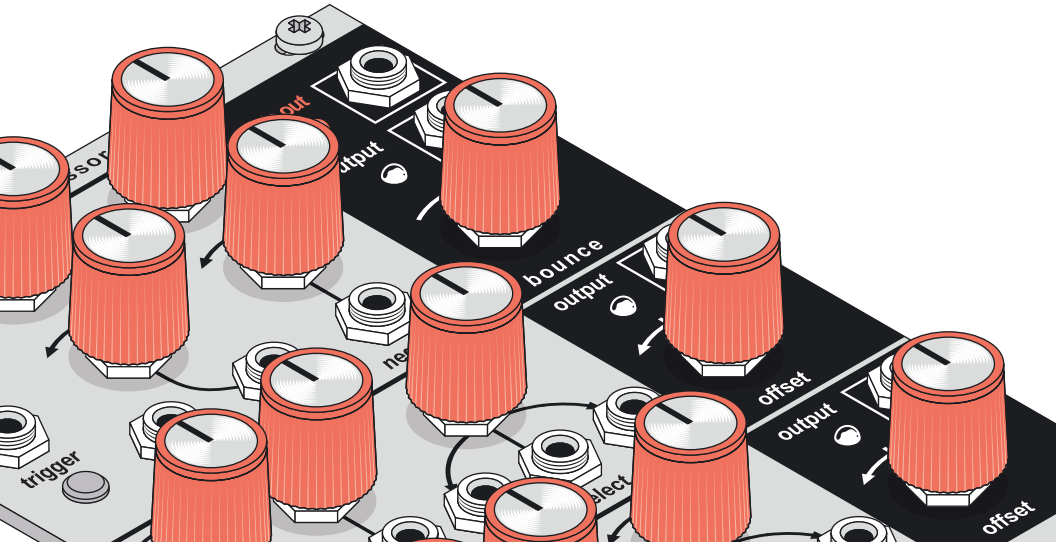
VERBOS ELECTRONICS

Control Voltage Processor



Congratulations on obtaining your new Verbos Electronics Control Voltage Processor. This Euro-Rack format module allows mixing, scaling, inverting, crossfading, slewing, compressing, offsetting and modulating of not only control voltages but any signals inside your modular synthesizer.

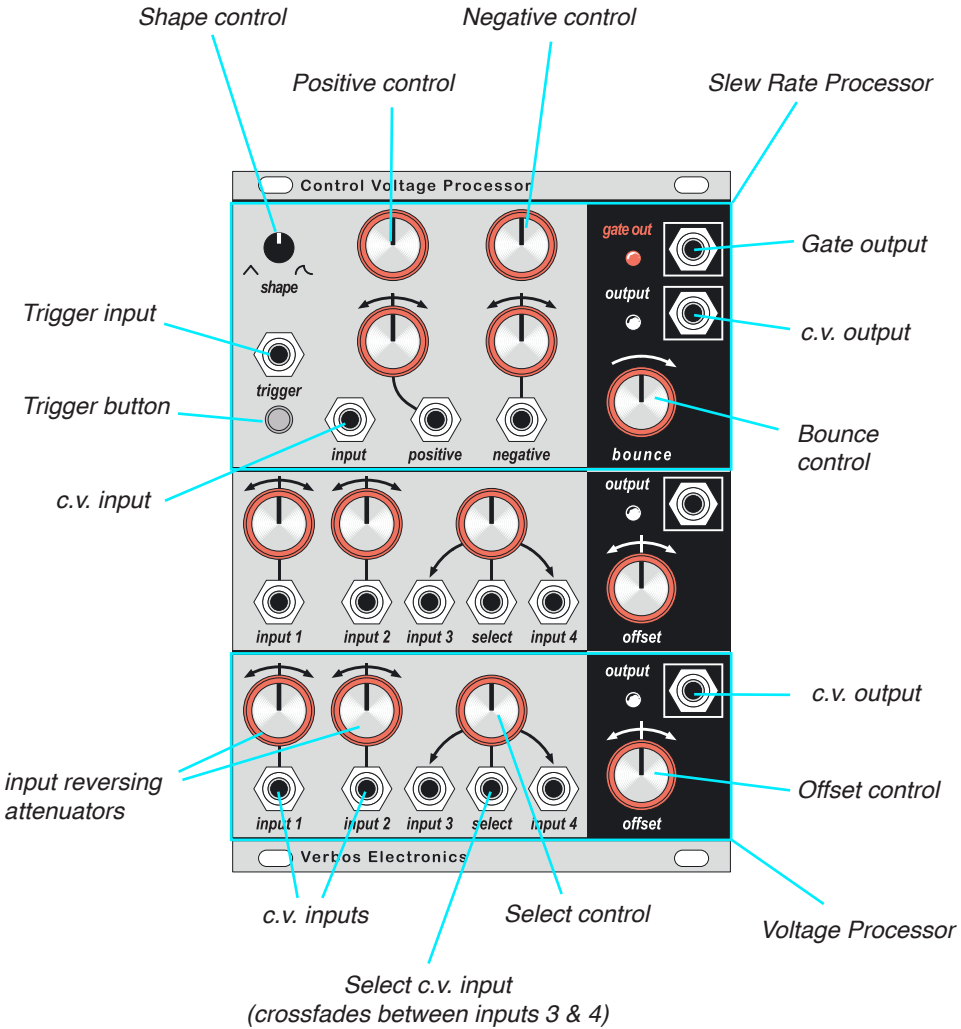
The Top Section

The top section of the module is a Slew Rate Processor with independent control of the positive and negative moving voltages. In addition to the panel control for each of these, there is a c.v. input for each with a reversing attenuator to scale the control amount. A Trigger input and manual gate button will send the output up to 8 volts at the Positive rate and back down at the Negative rate. The Shape can be continuously swept from linear to curved, as expected from classic portamento circuits. The curves are "true RC" in the sense that they are not created using feedback, therefore they always start fast and end slow throughout the voltage range from -11 volts to +11 volts. A Gate Out goes high for negative voltages and low for positive ones and allows looping if it is patched to the trigger in. Bounce, a feature unique to this module, allows control voltage to overshoot its destination by an amount set by the control, at the rate of the Positive control. This gives the effect of letting go of a tape machine's reel and hearing the pitch wobble.

The Lower Sections

The lower two sections are identical voltage processors. Inputs 1 and 2 have reversing attenuators, allowing inverting, scaling, addition and subtraction. Inputs 3 and 4 are a voltage controlled crossfader, which can also be used as a VCA that opens or closes with voltage or even a 4 quadrant modulator. The Offset control will add or subtract a fixed voltage to the mix. The voltage range of these processors is more than +/-11 volts.

18HP • 240g • +12v 85mA • -12v 83mA


Shape control
Negative control
Positive control
Slew Rate Processor
Control Voltage Processor
gate out
Gate output
output
c.v. output
shape
Trigger input
trigger
Trigger button
input
positive
negative
bounce
Bounce control
c.v. input
output
input 1
input 2
input 3
select
input 4
offset
output
c.v. output
input reversing attenuators
Offset control
Verbos Electronics
c.v. inputs
Select control
Voltage Processor
Select c.v. input
(crossfades between inputs 3 & 4)

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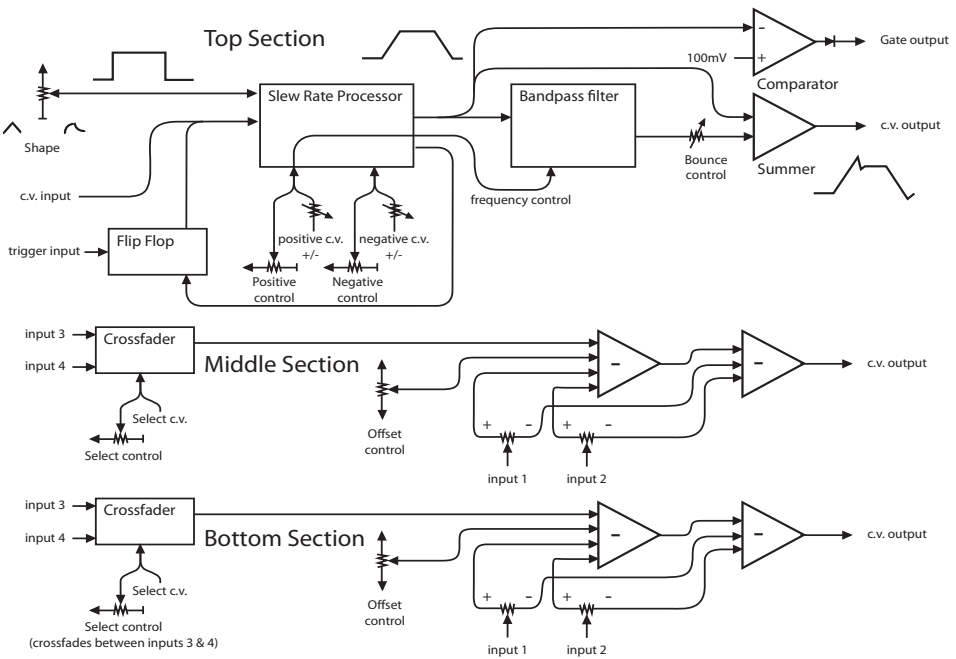
designed and assembled in Berlin, Germany



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