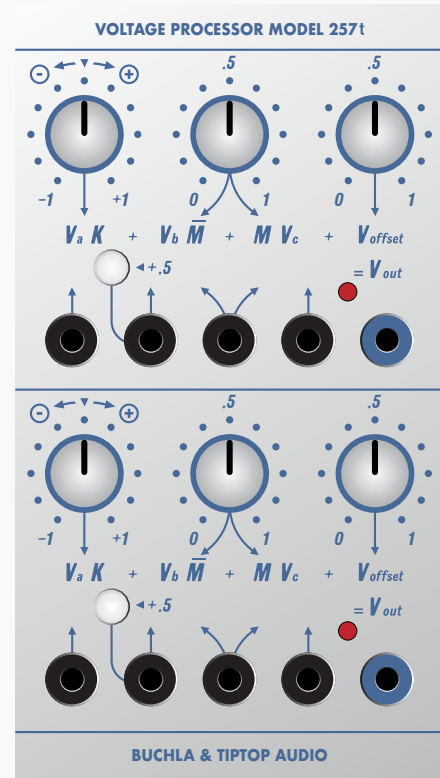


DUAL VOLTAGE PROCESSOR - MODEL 257t

Model 257 Dual Control Voltage Processor consists of two identical sections, each of which permits several applied control voltages to define a single output voltage according to the equation:

$$(V_a * K) + ((V_b * (1-M)) + (V_c * M)) + V_{offset} = V_{out}$$

The algebraic manipulations possible with this module include addition, subtraction, scaling, inversion, and multiplication. Also incorporated is the capability of using one control voltage (M) to transfer control from one applied voltage (V_b) to another (V_c).



Functions

- Attenuverter

V_a is the voltage input **a** for attenuverter (left jack on the panel)

K knob can scale the incoming **V_a** voltage either positively or negatively

- Crossfader

V_b is the voltage input **b** for the left side of the crossfader (second jack from the left)

+5 switch adds **5** volts to the input of **V_b**

V_c is the voltage input **c** for the right side of the crossfader (fourth jack from the left)

M̄ scales **V_b** from **1** to **0** based on the position of **M** knob

M scales **V_c** from **0** to **1** based on the position of **M** knob

The middle **CV** input at **M̄/M** can crossfade between **V_b** and **V_c** (third jack from the left)

The **M** knob and **M CV** added together to control crossfade position

- Offset

V_{offset} Adds **0 - 10** volts to any combination of **V_a + V_b + V_c**

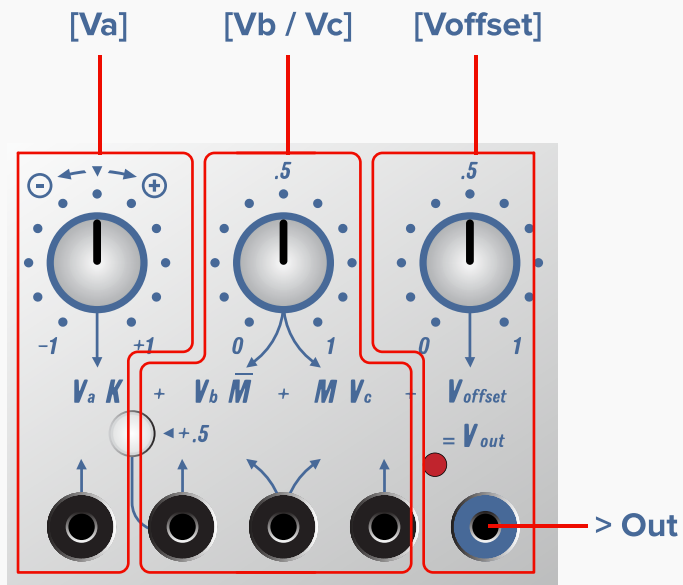
- Output

V_{out} is the combined voltage of the attenuverter, crossfader and offset (right jack on the panel)

Buchla TIPTOPaudio

Eurorack 200 series

DUAL VOLTAGE PROCESSOR - MODEL 257t



Specifications:

Size: 14HP - Depth: 25mm
Power: +12V 45mA / -12V 22mA

Buchla Tiptop audio

Eurorack 200 series