S.P.O.

S.P.O. is a polarizing scaler and offset generator. Up to two inputs can be summed into a single scaler/offset generator. The offset generator provides a DC offset for shifting signals into the positive or negative voltage region. The scaler provides a means of attenuating and polarizing (inverting) the applied signal. S.P.O. works with audio and control voltages (CV).

SP1
SP2

SCALING POLARIZER 1 & 2

Use these controls to change the amplitude and polarity of the respective input signals.
Center position (0) turns the respective input signal level off.
Maximum position (+) results in the full, normal signal.
Minimum position (-) results in the full, inverted signal.

OF1
OF2

OFFSET 1 & 2

Use these controls to add a (+/-5V) DC offset to the respective input signals. This control will send a bipolar DC offset to the output whether or not a signal is applied to one of the inputs.
Center position (0) turns the offset level off.
Maximum position (+) results in the full, (+5V) positive offset signal.
Minimum position (-) results in the full, (-5V) inverted offset signal.

L1
L2

BIPOLAR LEVEL LED 1 & 2

These LEDs indicate of the polarity of the input signal and/or offset. BLUE is positive and RED is negative.

IN 1 A+B
IN 2 A+B

SUMMING INPUTS 1 & 2

These are the respective inputs to the polarizers and offset generators. There are two inputs each. Applying two signals will sum them together. Both audio and control voltages (CV) can be utilized.

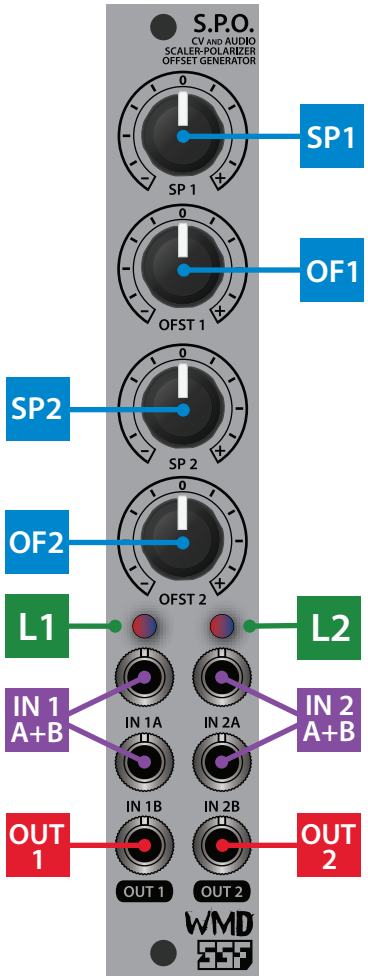
OUT 1
OUT 2

OUTPUTS 1 & 2

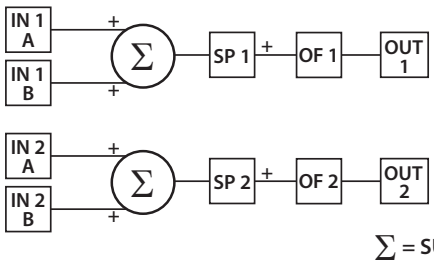
These are the respective outputs for each polarizer/offset generator.

COLOR KEY LEGEND

- PANEL CONTROL
- LED INDICATOR
- INPUT
- OUTPUT



SIGNAL PATH DIAGRAM



WMD