OSD
Multi-function Signal Combination Utility

Thank you for purchasing OSD, WMD's multi-functional signal combination utility. OSD comprises of 3 blocks of unique functions offering the user endless utility in a small package. Combine Audio, CV, or both at the same time; OSD's signal path is high bandwidth and high precision meaning it's ready for whatever you throw at it!

CH1 A/B CROSSFADER: Crossfades between the two signals present on the A and B jacks of Channel 1. This feature is great for combining modulation sources or audio!
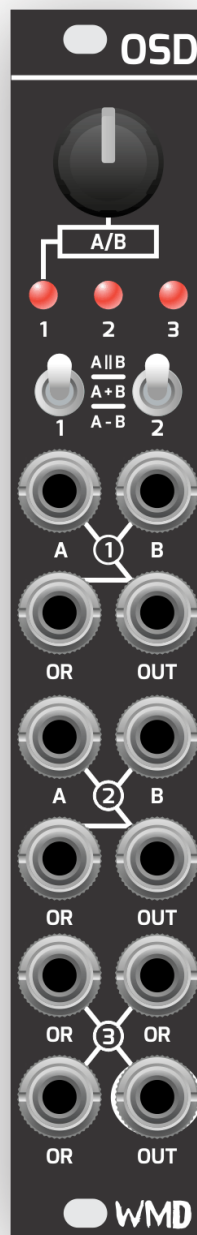
LEDs: Show the output voltage of their respective channels. Bipolar display, red = negative and green = positive.

3 UNIQUE CHANNELS
OSD features 3 unique channels of signal combination:

Channel 1 offers a crossfader that balances between the signals input to the A and B jacks. The attenuated signals combine according to the selection on SWITCH 1, and then are analog OR'd with the signal input to the OR jack.

Channel 2 has the same signal flow as Channel 1 but removes the crossfader so your combinations are all at unity levels. Precision components make this channel great for combining sensitive signals like V/Oct.

Channel 3 offers a simple but always useful, precision triple input, analog OR. Great for combining gates or simple rectification.

-10V Normalled to all inputs!

COMBINATION SWITCHES:
Select between analog OR in the up position, sum in the middle positon, and difference in the bottom position. Each switch corresponds to the channel with the matching label.

WHAT IS ANALOG OR?
Analog OR is the technical way of saying a circuit that compares two signals and outputs the one that is a higher voltage.

SPECS:
Size: 4hp
Depth: 40mm(with cables)
Power: 50mA +12V, 50mA -12V

All Inputs:
>=100k ohm impedance
.1% Resistors

All Outputs:
470 ohm impedance
impedance compensated for precision.
20Vpp range

WMD