

# VOLT

## PRECISION VOLT OFFSET

VOLT is a performance oriented voltage offset and sum designed to offset 1/Voct signals by single volt increments both positive and negative. Offset the octave of up to three modules simultaneously!

**▲▼ (Buttons/Gates):** These buttons select the offset voltage. Press ▲ to increase the offset voltage by 1V. Press ▼ to decrease by one volt. The range is 7V in the positive and negative directions. Press both simultaneously to return to the reset voltage.

**RESET VOLTAGE:** Hold both buttons until all LED's flash red and green to set the reset voltage. All LED's will show red to indicate you are in this mode, Pressing up or down will choose a new reset voltage and display it. Press both buttons when the desired reset voltage is on the display.

**IN/OUT:** Each In/Out pair offsets the incoming voltage by the amount selected on the LED display. Each In/Out pair is identical and offset by the same voltage. Outputs are compensated impedance buffers capable of driving any load including mulded loads.



**PRECISION:** VOLT is extremely precise. An offset error of  $\pm 1\text{mV}$  and a gain error of 0.033% make VOLT the perfect tool for calibrating oscillators.

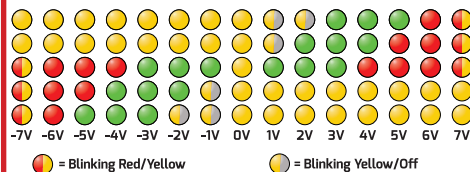
**SPECS**  
Size: 4hp  
Depth: 30mm (with cables)  
Power: 34mA, -17mA

**Trigger Inputs:**  
100k ohm impedance

**CV Inputs:**  
100k ohm impedance  
Sums with out.

**Output:**  
220 ohm impedance  
22Vpp range, -7V to +7V offset  
Offset error  $\pm 1\text{mV}$   
Gain error 0.033%

### LED REFERENCE



**LED DISPLAY:** The LED's show your current offset voltage. They are color coded based on your current voltage range.