BAR GRAPH 2520

Blacet Research BG2520
Bar Graph Display Module

BAR GRAPH

+10

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-10

IN/THRU

BLACET   2520
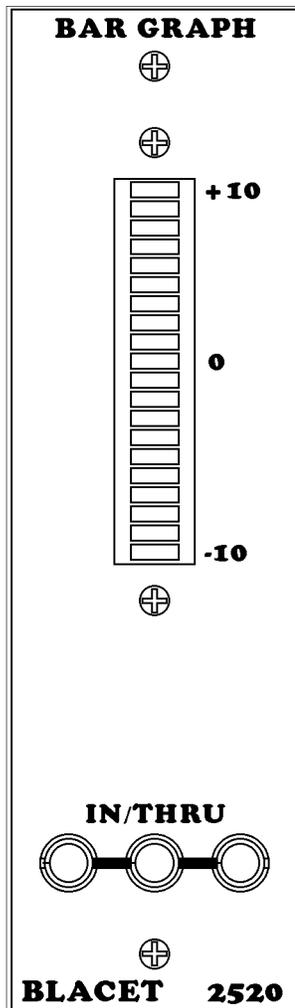
Intro and Using

The Blacet BG2520 provides a visual display of audio and CV waveforms on a 20 element LED display. The range is from -10V to +10V and from DC to audio frequencies.

For DC or slow control voltages, one LED bar will light. For audio, a range of LEDs will appear to light, showing the signal peaks.

Signals outside of the 10V ranges will light the upper or lower LED bars until the signal passes back into range.

Three "multied" jacks allow a signal to be both monitored and sent to two other locations.

Use the BG as a visual aid to track control voltages from ADSRs, LFOs, BZs, etc. Use the module to monitor audio signal levels for best signal to noise ratio and to avoid distortion.

The extra bright display LEDs can also provide a nice mini light show when connected to voltages that jump around, like those from a sequencer!

To install your BG, attach the supplied power cable and connect the other end to your PS500 or PSCONN board.

Make sure that the power is off before doing this and double check the connector orientation on both ends!

Calibration

Connect the BG to the PS500 power supply and monitor the voltage at R7 (or pin one of U1) with a DMM . (Connect the black DMM lead to common at the jacks.)

Adjust trimmer RT1 for a reading of 4.0V.

Specifications

Front Panel Size: 5.25 x 1.5" W
Module Depth: 0.9"
Input Range -10V to +10V
Frequency Range: 0 to 20 KHz
Power: +/-15 Vdc @+35/-18 mA