



## SparkFun Sound Detector (with Headers)

SEN-14262

The SparkFun Sound Detector is a small and very easy-to-use audio sensing board with three different outputs. The Sound Detector not only provides an audio output, but also a binary indication of the presence of sound and an analog representation of its amplitude. The three outputs are simultaneous and independent, so you can use as many or as few as you want at once.

The envelope output allows you to easily read amplitude of sound by simply measuring the analog voltage. Gain can be adjusted with a through-hole resistor to change the threshold of the binary (gate) output pin as well. Check the hookup guide below for more information about setting gain.

Each of the three output signals is present on the pre-soldered 0.1" header at the edge of the board. They are active simultaneously. If you aren't using one in your particular application, simply leave that pin disconnected.

