very loud sound. If you are If you need a microphone with adjustable gain or auto-gain control, check out our mic+amplifier options. If you need a higher peak-to-peak, a rail-to-rail op-amp and some resistors can get you boosted up!

Using it is simple: connect GND to ground, Vin to 3.3-5VDC. For the best performance, use the "quietest" supply available (on an Arduino, this would be the 3.3V supply). The audio waveform will come out of the **DC** pin. The output will have a DC bias of 0.67V so when its perfectly quiet that's what you'll read, there's a little drift. If the audio equipment you're using requires AC coupled audio, you can grab the signal out of the **AC** pin, which has a 10uF capacitor in series.

The output pin is not designed to drive speakers or anything but the smallest in-ear headphones - you'll need an audio amplifier (such as our 3.7W stereo amp) if you want to connect the amp directly to speakers. If you're connecting to a microcontroller pin, you don't need an amplifier or decoupling capacitor - connect the **DC** pin directly to the microcontroller ADC pin.

TECHNICAL DETAILS

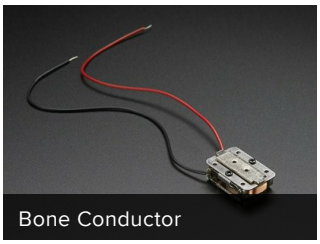
- EagleCAD PCB files on GitHub
- Fritzing object in the Adafruit Fritzing Library

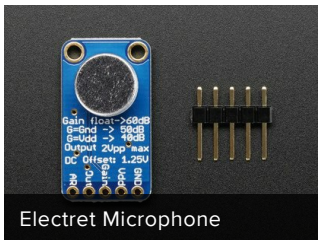
Weight: 0.9g

Product Dimensions: 15.8mm x 14.1mm x 2.9mm / 0.6" x 0.6" x 0.1"

RoHS

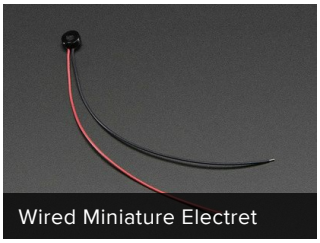
MAY WE ALSO SUGGEST...


Bone Conductor



Electret Microphone


Cell-phone TRRS Headset -

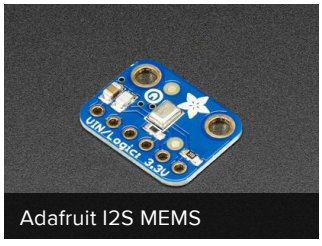

Wired Miniature Electret

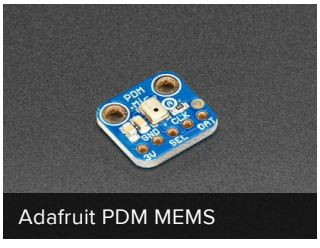

Electret Microphone - 20Hz-

Electret Microphone


Adafruit I2S 3W Class D


Mini USB Microphone


Adafruit I2S MEMS


Adafruit PDM MEMS

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"It's only "work" if you'd rather be doing something else" - Dean Kamen