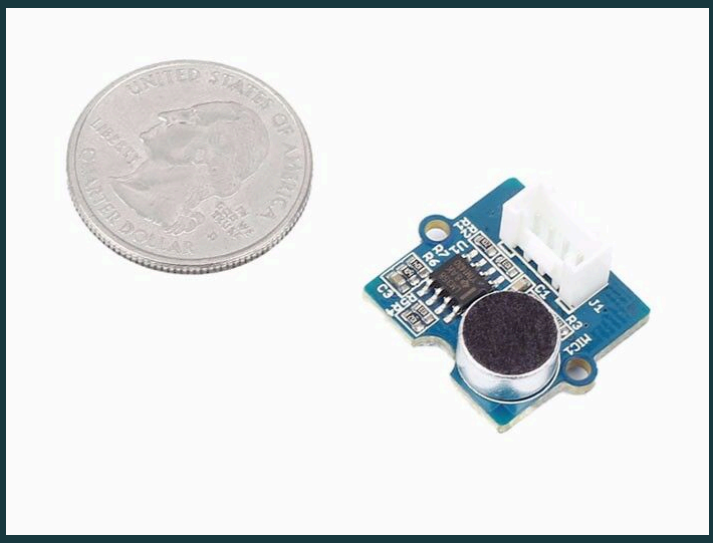
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INDUSTRIAL PRODUCT DATASHEET

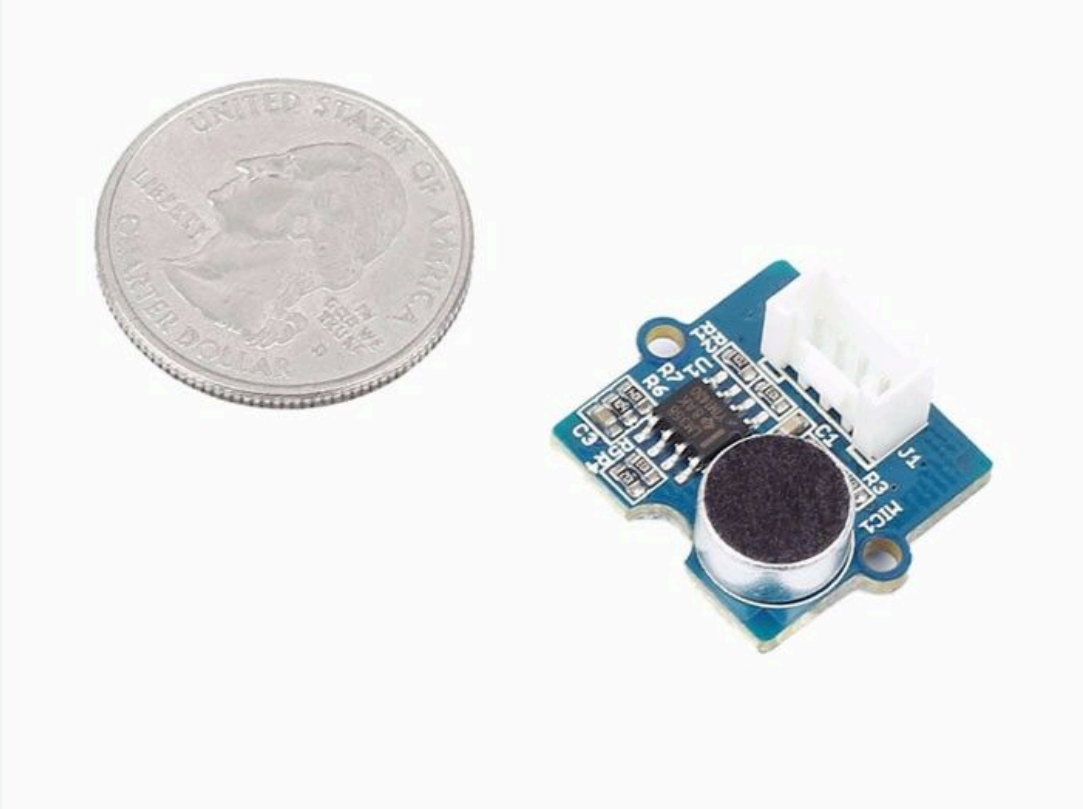
Grove - Sound Sensor Based on LM358 amplifier - Arduino Compatible

The Grove - Sound Sensor Based on LM358 amplifier - Arduino Compatible provides plug-and-play sound detection with an LM358 amplifier, 4V-12V supply, and analog output for applications including sound control lamps and sound...

SKU	UPDATED	PRICE
101020023	2026-10-26 13:23:32	$5.40(Excl. VAT)



Overview

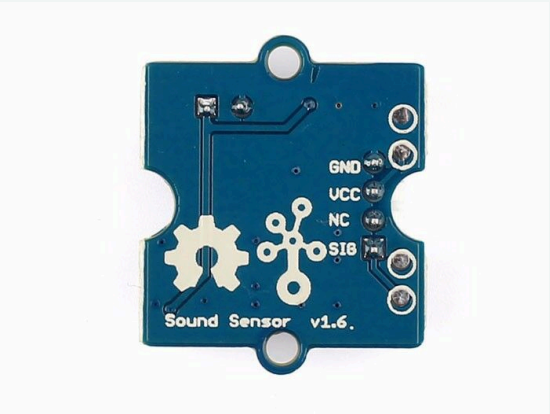


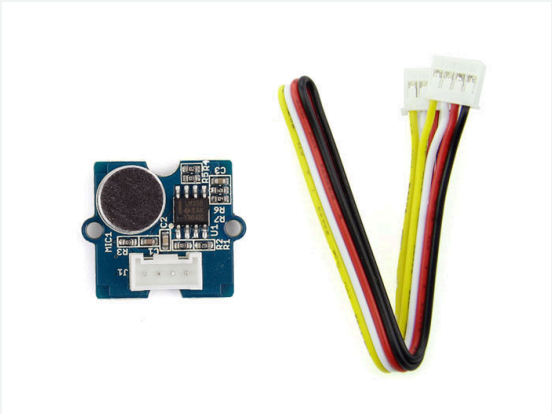
The Grove - Sound Sensor Based on LM358 amplifier - Arduino Compatible features an LM358 operational amplifier with a wide supply voltage range of 4V-12V and analog output for easy integration with Grove circuits. Its Grove unified socket ensures plug-and-play use in applications such as simple microphone, sound/noise detector, smart home sound control lamp, and sound interactive device.

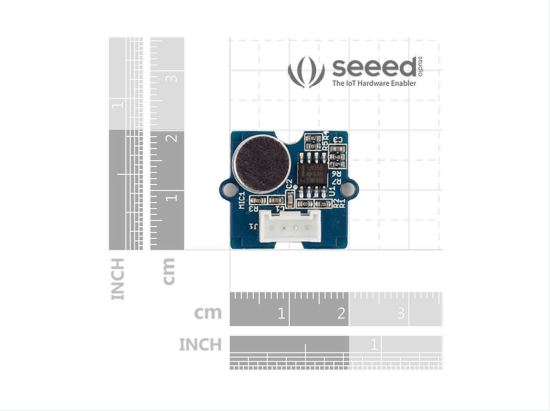
Key Features

- **Upgraded functionality:** Based on LM358 --Dual, 36-V, 1.2-MHz, 3-mV offset voltage operational amplifier with -40°C to 85°C operation
- **Wide supply voltage range:** In the range of 4V-12V
- **Easy to read:** Can easily integrate with logic modules on the input side of Grove circuits and its output is analog
- **Grove unified socket:** The sensor ensures "Plug and Play" and could be versatile for various applications

Product Gallery







Specification

Dimensions	24mm x20mm x9.8mm
Weight	G.W 9g
Battery	Exclude
Operating Voltage Range	5 V
Operating Current(Vcc=5V)	4~5 mA
Voltage Gain(V=6V, f=1kHz)	26 dB
Microphone sensitivity(1kHz)	52-48 dB
Microphone Impedance	2.2k Ohm
Microphone Frequency	16-20 kHz
Microphone S/N Radio	54 dB

Applications

- **Simple microphone**
- **Sound/noise detector**
- **Smart home: Sound control lamp**
- **Sound interactive device**

Part List

Grove - Sound Sensor	1

Compliance & Logistics



HSCODE	9031900090
USHSCODE	9031902100
UPC	841454107613
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-Sound-Sensor-Based-on-LM358-amplifier-Arduino-Compatible.html

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