Sound sensor

The **iTriangle - Sound sensor** can detect the sound intensity of the environment. The main component of the module is a simple microphone, which is based on an LM386 amplifier and an electret microphone. This module's output is analogue and can be easily sampled and tested with iTriangle.

Features

- Easy to use
- Provides an analogue output signal
- Easily integrates with logic modules on the input side of iTriangle circuits

> This sound sensor is used only to detect the presence of sound in the nearby environment. Please do not use the module to collect sound signals. For example, you can use it to make a sound activated lamp, but not as a recording device.

Specifications

Item	Value
Operating Voltage Range	3.⅗ V
Operating Current (V_{CC}=5 V)	4~5 mA
Voltage Gain (V=6 V, f=1 kHz)	26 dB
Microphone sensitivity (1 kHz)	52–48 dB
Microphone Impedance	2.2k Ohm
Microphone Frequency	16–20 kHz
Microphone S/N Radio	54 dB

vytvořené 2 roky nazpět uživatelem Admin

aktualizováno 2 roky nazpět uživatelem Jiri Krulis