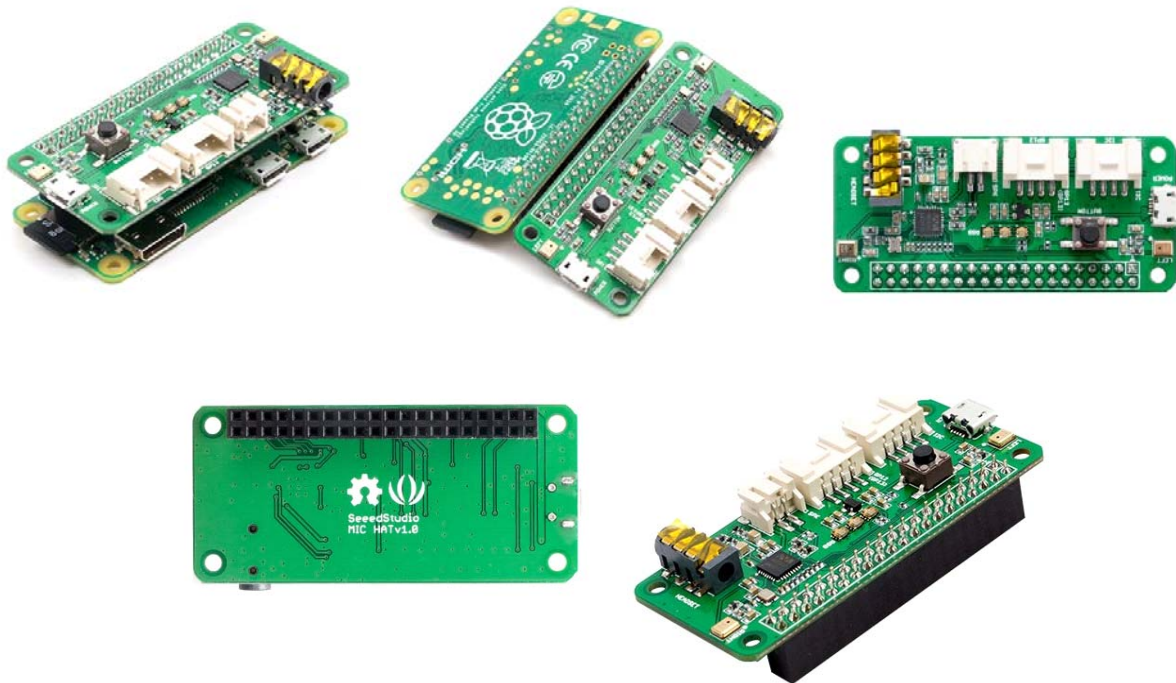# ReSpeaker 2-Mics Pi HAT

SKU 107100001

Description

ReSpeaker 2-Mics Pi HAT is a dual-microphone expansion board for Raspberry Pi designed for AI and voice applications. This means that you can build a more powerful and flexible voice product that integrates Amazon Alexa Voice Service, Google Assistant, and so on.

The board is developed based on WM8960, a low power stereo codec. There are 2 microphones on both sides of the board for collecting sounds and it also provides 3 APA102 RGB LEDs, 1 User Button and 2 on-board Grove interfaces for expanding your applications. What is more, 3.5mm Audio Jack or JST 2.0 Speaker Out are both available for audio output.

Note: this product not include the Pi Zero board

Features

- Raspberry Pi compatible(Support Raspberry Pi Zero, Raspberry Pi 1 B+, Raspberry Pi 2 B and Raspberry Pi 3 B)
- Dual-Microphones
- 2 Grove Interfaces: support GPIO and I2C
- Programmable Button and LED: one button and three LEDs
- Audio codec onboard
- Two types audio output socket : 3.5mm Audio Jack, JST2.0 Speaker Out
- Far field support (up to 3 meters)

Usage

1.Get started with Google Assistant https://youtu.be/Z3gIbxnDCtI

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