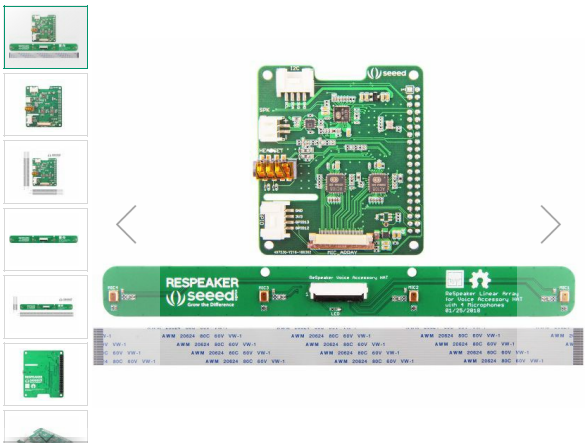
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ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi

SKU 107990056

1 Review

ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi, ReSpeaker, Raspberry hat, Mic array, Alexa, pi hat, microphone array, google assistant, avs, shield, mic array hat

- 1 + CN Warehouse

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Tags: mic array

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Seeed's ReSpeaker 4-MicsLinear Array Kit for Raspberry Pi is an extension board, aka HAT designed for Raspberry Pi. It's a linear microphone array kit, comes with four microphones and designed for AI and voice applications. That means you can build a more powerful and flexible voice product with Raspberry Pi which can integrate Amazon Alexa Voice Service, Google Assistant, and so on.

ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi consists of two boards, one is voice accessory HAT, another is four microphones linear array.

ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi support 8 input & 8 output channels in Raspbian system. The first 6 input channel for microphone recording(only first 4 input channels are valid capture data), rest of 2 input channel are echo channel of playback. The first 2 output channel for playing, rest of 6 output channel are dummy.

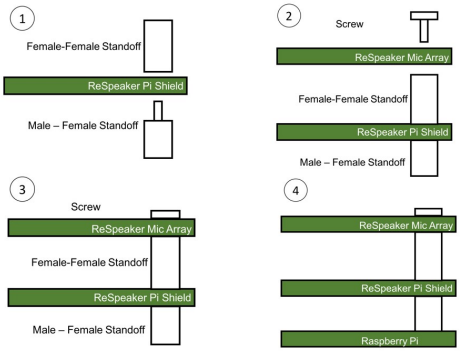
Features

- 2 ADC chips and 1 DAC chip
- 8 input and 8 output channels
- Four microphones array
- Grove support
- Compatible with Raspberry Pi 40-pin headers
- Headset and speaker voice output

Application Ideas

- Smart speaker
- Intelligent voice assistant systems
- Voice recorders
- Voice conferencing system
- Meeting communicating equipment
- Voice interacting robot
- Car voice assistant
- Other scenarios need voice command

Assembly drawing



Unboxing Vedio

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Technical details

Dimensions	0mm x0mm x0mm
Weight	G.W 132g
Battery	Exclude
AD/DA Chips	2 x X-Power AC108 ADC; 1 x X-Power AC101 DAC
Voice Output	3.5mm headset audio jack / Speaker jack (JST 2.0)
Microphones	SPU0414HR5HSB
Sensitivity	-22 dBFS (Omnidirectional)
SNR	59 dB
Raspberry Pi 40-Pin Headers	support Raspberry Pi Zero, Raspberry Pi 1 B+, Pi 2 B, Pi 3 B, Pi 3 B+

Part List

1 x ReSpeaker Voice Accessory HAT	1
1 x ReSpeaker 4-Mic Linear Array for Voice Accessory HAT	1
1 x 20cm Ribbon Cable	1

ECCN/HTS

ECCN	3A611.y.6
HSCODE	8473309000
USHSCODE	8517620010
UPC	841454120391

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