

ReSpeaker 6-Mic Circular Array Kit for Raspberry Pi

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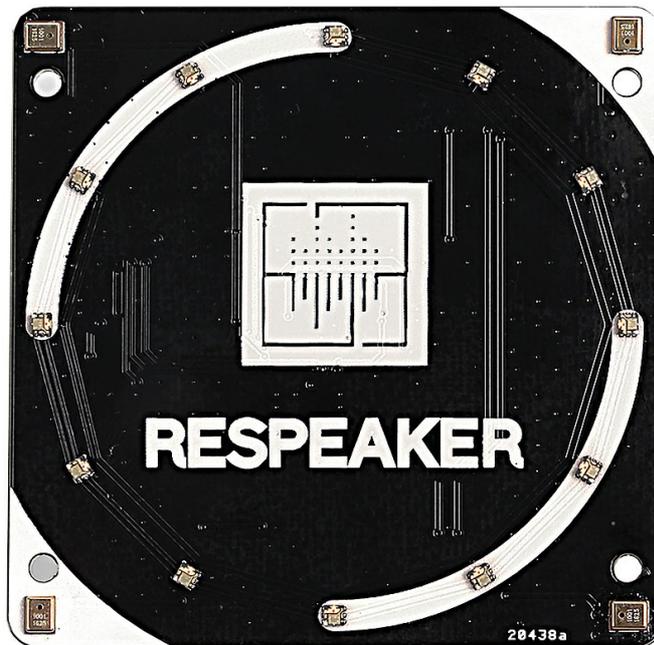
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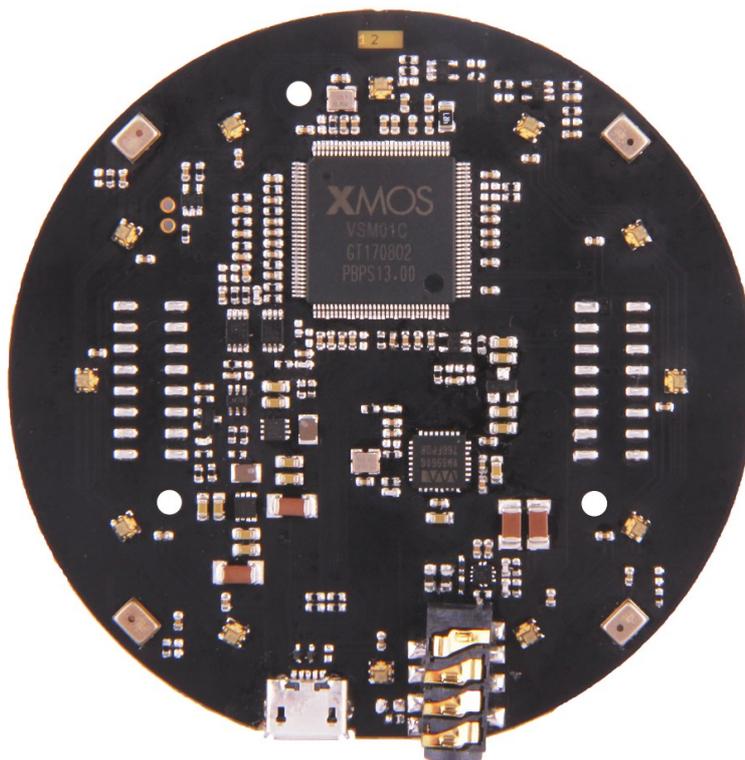
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ReSpeaker 4-Mic Array for Raspberry Pi

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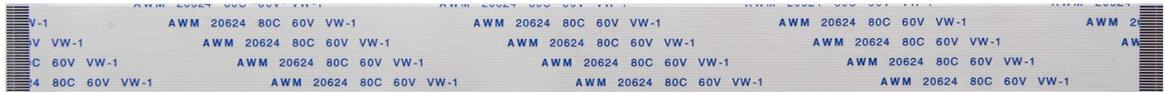
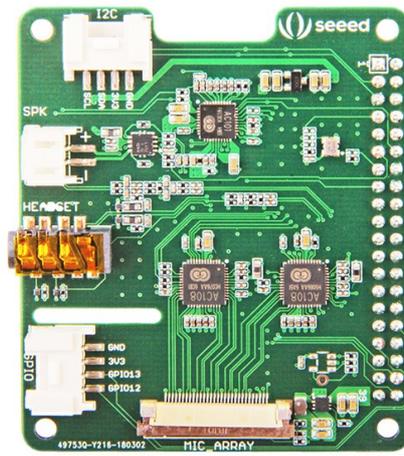
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ReSpeaker Mic Array v2.0

ReSpeaker Mic Array v2.0

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ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi

ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi

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Description

Seeed's ReSpeaker 6-Mic Circular Array Kit is an extension board, aka HAT designed for Raspberry Pi. It's a circular microphone array kit, comes with six 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 6-Mic Circular Array Kit for Raspberry Pi consists of two boards, one is voice accessory HAT, another is six microphones circular array.

ReSpeaker 6-Mic Circular Array Kit for Raspberry Pi support 8 input & 8 output channels in Raspbian system. The first 6 input channel for microphone recording, rest of 2 input channel are echo channel of playback. The first 2 output channel for playing, rest of 6 output channel are dummy.

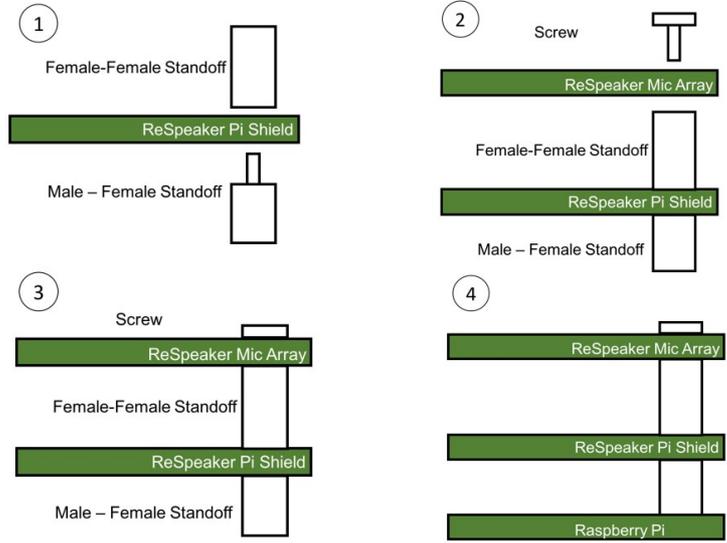
Features

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

Applications

- 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

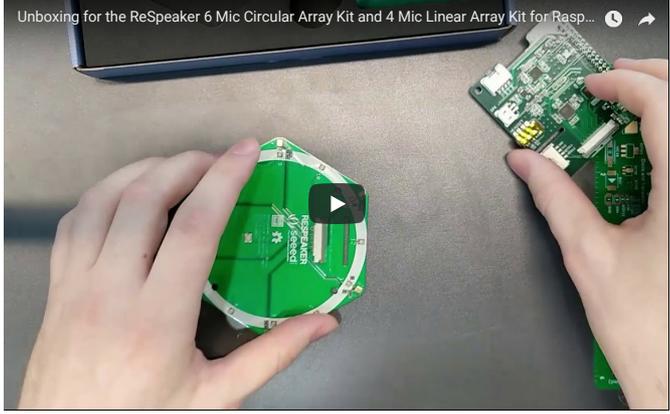
Assembly drawing



3



Unboxing Vedio



Technical Details

Dimensions 0mm x 0mm x 0mm
 Weight G.W 1g N.W 1g
 Battery Exclude

Part List

ReSpeaker Voice Accessory HAT	1
ReSpeaker 6-Mic Circular Array for Voice Accessory HAT1	1
20cm Ribbon Cable	1

ECCN/HTS

ECCN 3A611.y.6
 HSCODE8473309000

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Reviews

nice

Questions and Answers

Have a question about this? Ask people who

0 What Voice Capture Distance ?

jom124 on Jul 31,2018

Reply upvote (0)

how long Voice Capture Distance ?

jom124 on Jul 31,2018 17:11 PM

Reply upvote (0)

@jom124 Hi there, it depends on the environment. If we are at a quite room, the distance is around 3-5m. thanks.

bill.yu on Aug 24,2018 17:44 PM

Reply upvote (0)

0 Does this do the beamforming and noise isolation that your other mic array does?

Alyssa.m.evers on Jul 02,2018

Reply upvote (0)

Hi, there- yes, of course.Regards!

Seeed Techsupport Team on Jul 02,2018 16:59 PM

Reply upvote (0)

@Seeed Techsupport Team Hi, there-sorry, BF is not supported,Regards!

Seeed Techsupport Team on Jul 10,2018 10:58 AM

Reply upvote (0)

0

how to get ReSpeaker 6-Mic Circular Array work with snips ai (ReSpeaker 2-Mic pi Hat is working well with snips)?

michael.loebmann on Jul 18,2018

Reply upvote (0)

Hi, there- As you know, 6mic array is designed for raspberry Pi, if snips is working well with raspberry pi , it will working well with 6mic, cause 6mic just a peripheral equipment. Regards!

Seeed Techsupport Team on Jul 18,2018 09:39 AM

Reply upvote (0)

1

What's the differnt between this board (ReSpeaker 6-Mic Circular Array Kit for Raspberry Pi), ReSpeaker Mic Array 2 and the ReSpeaker Core?

ThePage on Jul 16,2018

Reply upvote (1)

Hi, there-one of the difference among them is that 6mic circular is not support hard ware BF , AEC and other, but can achive it by software.core 2.0 is running debian os while 6mic circular is raspbian. mic array 2 is just a peripheral for most computer include windows and linux. For more informations, you can go to the web of them to make a good decision for your design, Regards!

Seeed Techsupport Team on Jul 16,2018 10:54 AM

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0

I would like to build a speech recognition project. But I don't need to use the whole functionality like google assistant. Only a few voice commands. Which api would you recommend me? Is there only the google and bing api?

ThePage on Jul 07,2018

Reply upvote (0)

Hi, there- you can go to the wiki for more information, and if any problem you meet, you can contact us by email ##techsupport@seeed.cc##,Regards!

Seeed Techsupport Team on Jul 09,2018 16:13 PM

Reply upvote (0)

0 Enable to make voice calls from 3-4 meters

ajay1908raj on Aug 23,2018

Reply upvote (0)

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