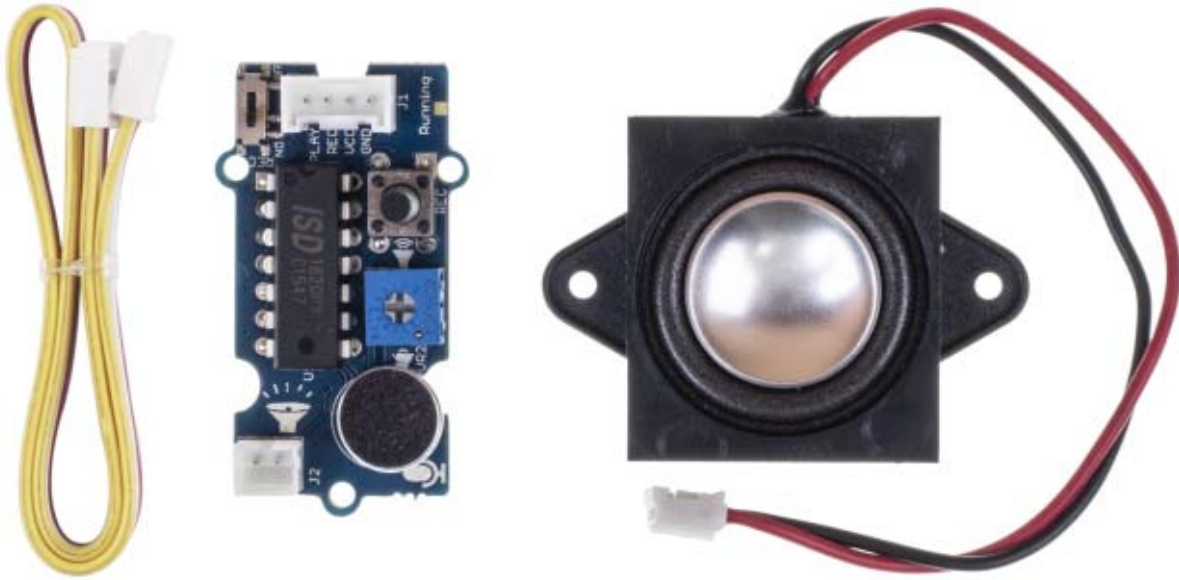




THE DATASHEET OF
107020007





Grove -Recorder v2.0

SKU 107020007

Grove - Recorder v2.0 is an upgraded recorder with enriched features and is able to record 8-20 seconds of audio with high-quality and natural voice.

Feature

- Easy-to-use with sound volume control, record, playback functions and Grove interfaces.
- Easy to be programmed for plenty of applications with MCU.
- Automatic power-down mode, variable recording and playback duration, non-volatile storage.
- Low power consumption.
- Shipped with a speaker (8Ω/2W).

Description

Grove - Recorder v2.0 is an upgraded recorder with enriched features. It can record 8-20 seconds of audio with high-quality and natural voice. In addition, it also gets sound volume control and playback functions. With MCU such as Seeeduino or Arduino board, you can prototype various applications quickly with user-friendly interfaces. Recording time could be customized(if you require) by replacing the different resistor and the solution to do this will be described in later sections.

Note

Playback duration will be the same with Recording duration as it changes. Different kinds of resistor will lead different Recording duration as the following table shows.

ROSC	Duration	Sampling Frequency	Input Bandwidth
80 K Ω	8 secs	8.0 kHz	3.4 kHz
100 K Ω (default)	10 secs	6.4 kHz	2.6 kHz
120 K Ω	12 secs	5.3 kHz	2.3 kHz
160 K Ω	16 secs	4.0 kHz	1.7 kHz
200 K Ω	20 secs	3.2 kHz	1.3 kHz

Application

- Alarms
- Toys
- Short-duration-echo required applications

Part list

- 1 x Grove - Recorder v2.0
- 1 x Grove cable
- 1 x Speaker



What's Grove?

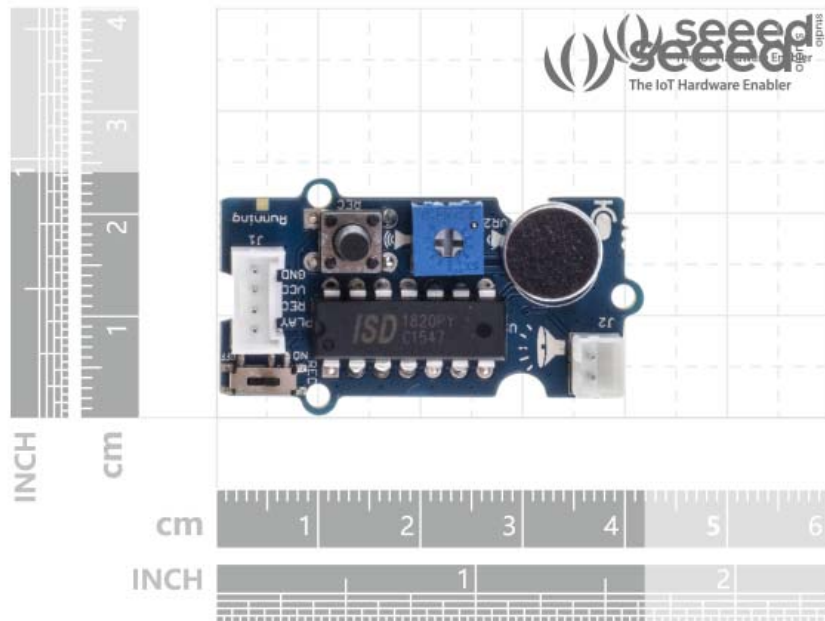
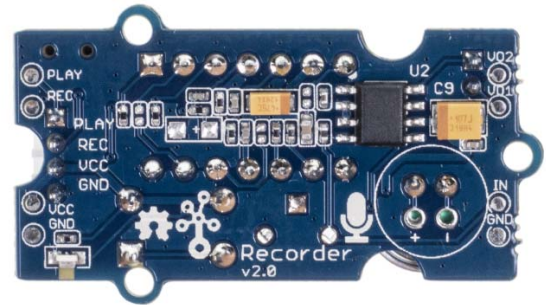
Grove makes it easier to connect, experiment, and simplify the prototyping process. No jumpers or soldering required. We have developed more than 300 Grove modules, covering a wide range of applications that can fulfil a variety of needs. Not only are these open hardware, but we also have open-source software.

Note

For all Grove users (especially beginners), we provide you with the guidance of operation. Please download and read through [Grove Introduction](#) and [Grove System](#) before your using the product.

ECCN/HTS

HSCODE	8519813900
UPC	
ROHS	1



<https://www.seeedstudio.com/Grove-Recorder-v2-0-p-4552.html/5-12-20>

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