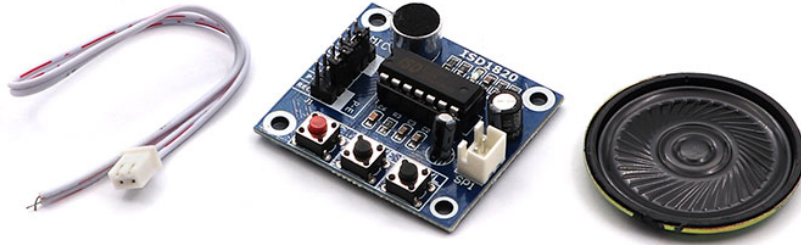


# ***Voice Recording Module With Speaker***

## ***Model: ISD1820 Module***



### **Description:**

This module is made using IC ISD1820, a single message record and playback device. It can record and play sound signals of 10 seconds duration. Recording is stored into on-chip non-volatile memory having data retention up to 100 years. Time for recording is 8-20 seconds. It also have an internal audio amplifier which enables us to connect an 8Ω, 0.5W speaker without any additional components. This module can be easily interfaced with Raspberry Pi, Arduino Boards and Microcontrollers.

### **Features:**

1. An easy to use 10 seconds of voice recording.
2. High-quality, natural voice restored.
3. Can be used as propaganda module
4. With looping, jog playback, single-pass play function.
5. Available single-chip control.
6. This module can directly drive a small speaker 8 ohm 0.5W.

### **Specifications:**

- Working Voltage: DC 3 ~ 5V
- Main Chip: ISD1820
- Loudspeaker: 8Ω, 0.5W
- Size: 38mm \* 42.5mm
- Power Supply :3-5V, which can be accessed pin power.
- Audio recording control mode: the key to control or microcontroller, IO has drawn the line of control.
- Buttons control audio recording method of operation:
  - REC button: record button, you can press and hold the recording, release the button to stop recording.
  - RLAYE key: trigger mode playback, press will play this whole speech.
  - PLAYL key: jog mode playback, press and hold until playback, release to stop playback.
  - RPL Jumper: loop mode control, loop playback.
  - FT Jumper: direct control, microphone voice through the speaker can playback.