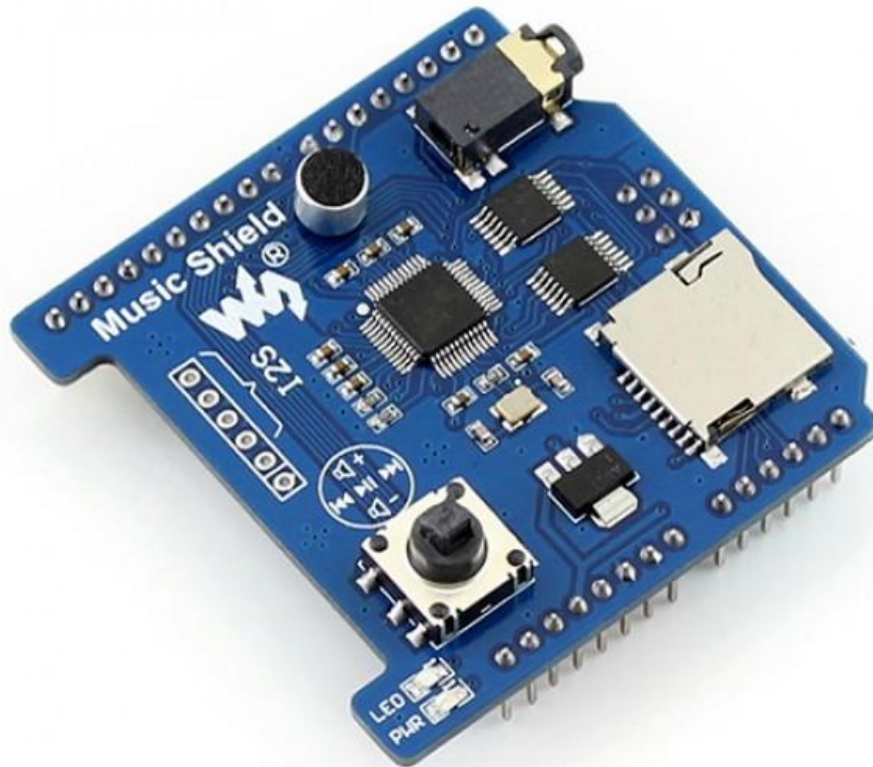


# Music Shield, VS1053B Audio Play/Record



Music Shield for Arduino Development, Audio Play/Record, VS1053B Onboard

## Overview

Music Shield is an Arduino expansion board for playing/recording audio, features onboard audio codec chip VS1053B and a TF card slot, supports common used audio formats.

## Features

- Arduino standard interfaces, compatible with Arduino boards like Arduino UNO, Leonardo, NUCLEO, XNUCLEO
- Supported formats : MP3/AAC/WMA/WAV/MIDI, etc.
- Onboard TF card slot, audio files in TF card can be played directly
- Onboard MIC for recording, with standard 3.5mm 4-segment headphone jack

- Onboard voltage level converter 74VHC125, compatible with 3.3V/5V MCUs
- One-key control, play music and adjust volume easily by the navigation key
- Features I2S and MIDI interface for functional expansion

Note : Limited by the transmission speed and memory shortage, Arduino boards like UNO and Leonardo can neither play WAV files, nor use the recording function. NUCLEO or Due are recommended.

## Development Resources

**Wiki :** [www.waveshare.com/wiki/Music\\_Shield](http://www.waveshare.com/wiki/Music_Shield)