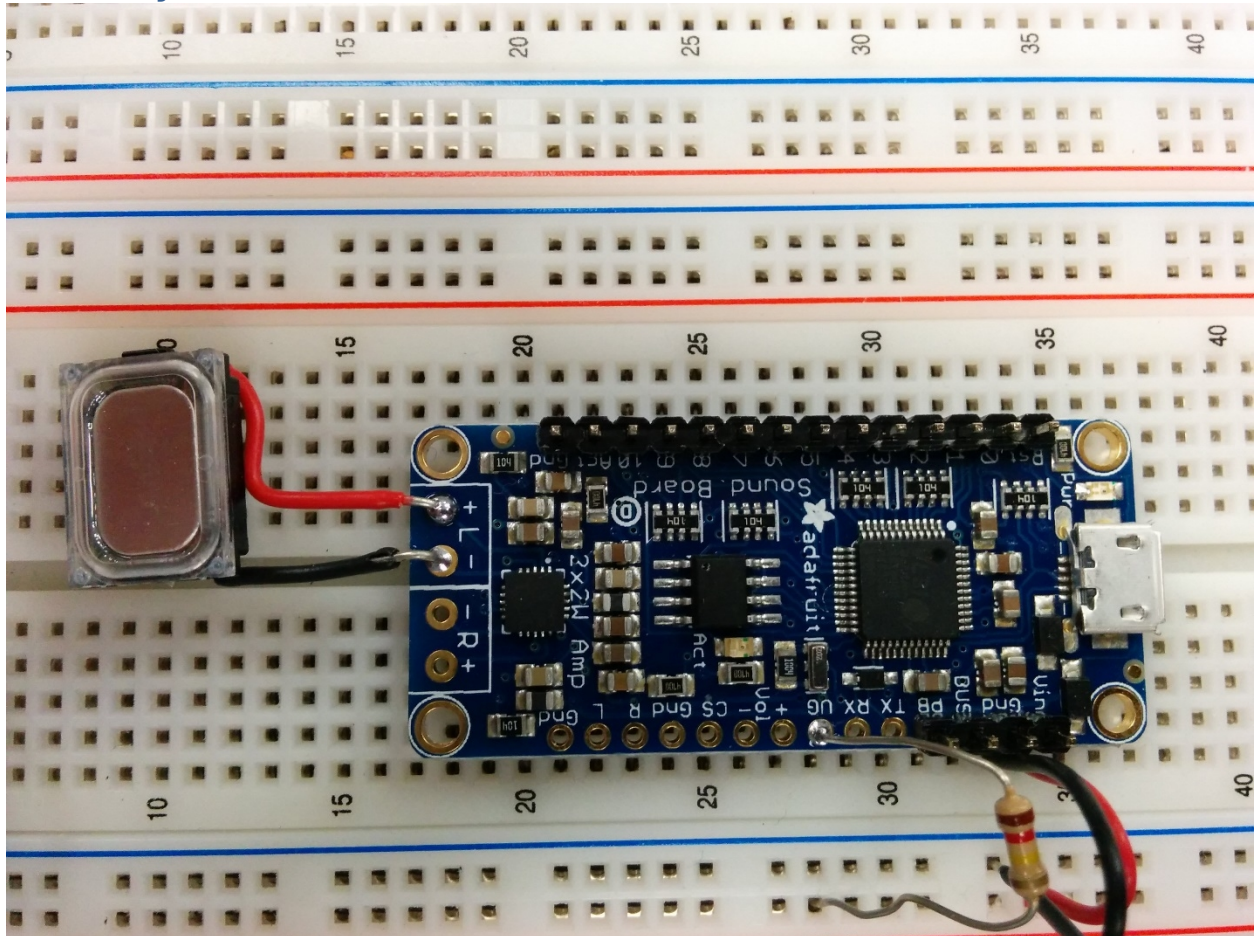# Brandon Hogue

IR Audio Data Sheet

This module holds audio files in the form of WAV or OGG on the onboard flash EEPROM. It is triggered by pulling a trigger pin to ground. Each sound file is named accordingly (T01.WAV, etc).

PCB Layout:

Hardware Inputs:

Input Name	Description of Signal	Expected Range
5V	---	Up to 250mA
GND	---	---
UG	Tied to VDD to allow trigger mode	5V
Trigger0	Used to trigger sounds when pulled to ground	0V or 5V
Trigger1	Used to trigger sounds when pulled to ground	0V or 5V
Speaker(+)	Positive Speaker Output	Analog Audio
Speaker(-)	Negative Speaker Output	Analog Audio

Software:

Function Name	Description	Input Parameters	Return Value
SendSound	Plays sound file	SoundFile	N/A