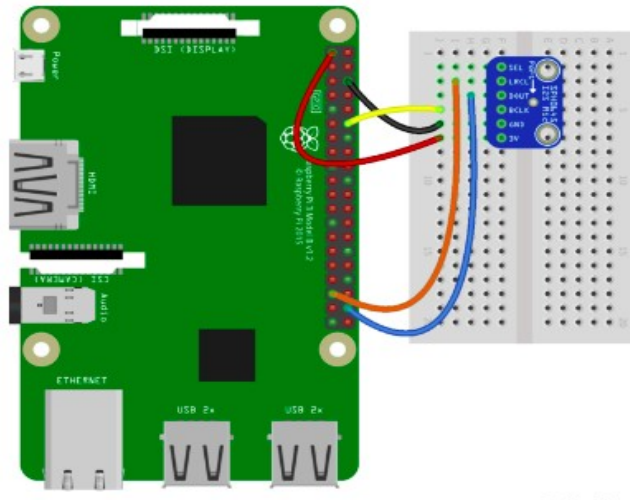


Connecting Raspberry pi with SPH0645 I2S MIC



Wiring:

- Mic 3V to Pi 3.3V
- Mic GND to Pi GND
- Mic SEL to Pi GND (this is used for channel selection, connect to either 3.3V or GND)
- Mic BCLK to BCM 18 (pin 12)
- Mic DOUT to BCM 20 (pin 38)
- Mic LRCL to BCM 19 (pin 35)

Main Commands:

To record:

```
arecord -D plughw:0 -c1 -r 48000 -f S32_LE -t wav -V mono -v file.wav
```

To play the recording:

```
aplay file.wav
```

To save audio file:

```
scp pi@raspberrypi:file.wav ~/Desktop/file.wav
```

LINK: <https://learn.adafruit.com/adafruit-i2s-mems-microphone-breakout/raspberry-pi-wiring-test>