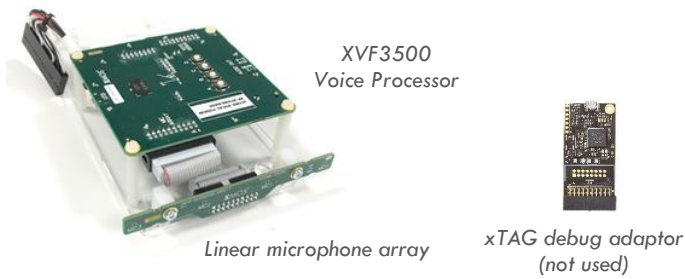


VocalFusion Stereo Dev Kit for Amazon AVS Hardware Setup Guide



Welcome to the **VocalFusion Stereo Dev Kit for Amazon AVS** using the XMOS XVF3500 Voice Processor.



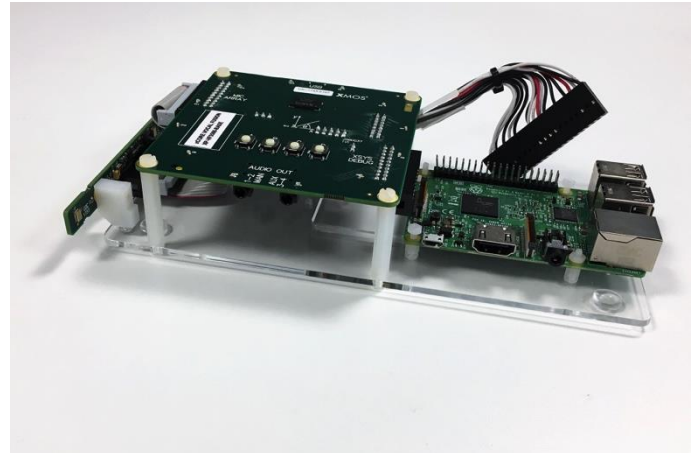
To complete this hardware setup guide you will also need:

- Raspberry Pi 3 or 4 & a microSD card (at least 16GB)
- USB power supply (minimum 2A)
- Stereo powered speaker (e.g. Logitech Z130)



1

Attach the Raspberry Pi (RPI) to the standoffs on the kit



Secure the RPi with the supplied plastic nuts (optional)

3

Connect the USB cable between the XVF3500 and the RPi



This cable provides power from the RPi to the XVF3500

5

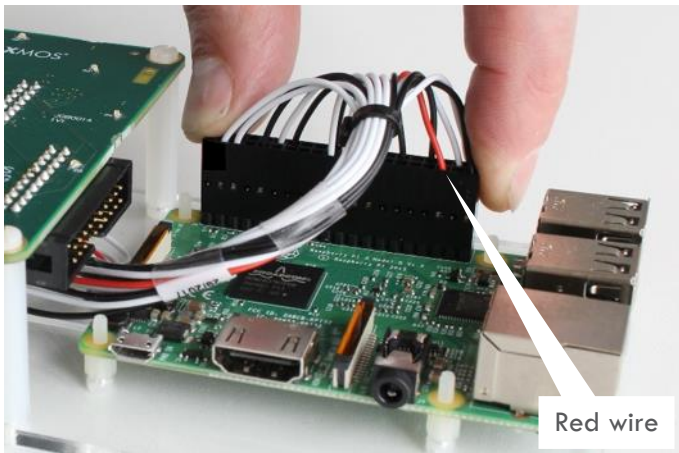
Connect power to the RPi 'PWR IN'. The kit is ready to use!



Go to <https://github.com/xmos/vocalfusion-avs-setup> to learn how to configure the RPi and start talking with Alexa.

2

Connect the flying cable to the RPi (note the polarity)



This cable provides I²S digital audio and I²C control

4

Connect the speaker to the XVF3500 'AUDIO OUT MAIN'



Place the speakers adjacent to and behind the mic array