

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 and micro SD card (at least 16GB)
- USB power supply (minimum 2A)
- Stereo powered speaker (e.g. Logitech Z130)



1

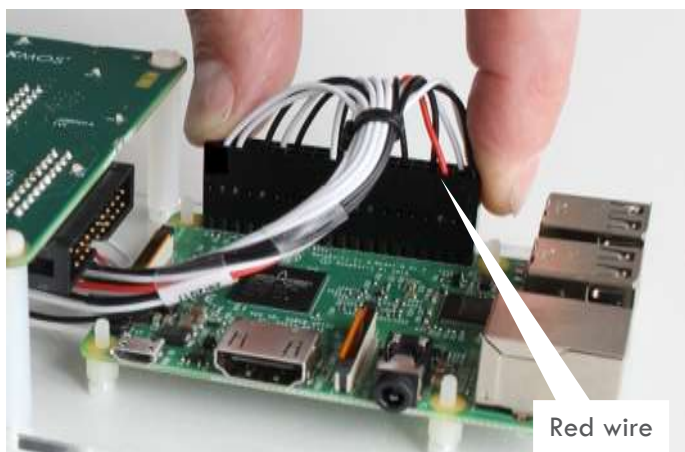
Attach the Raspberry Pi (RPI) to the standoffs on the kit



Secure the RPI with the supplied plastic nuts (optional)

2

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



This cable provides I²S digital audio and I²C control

3

Connect the USB cable between the XVF3500 and the RPI



This cable provides power from the RPI to the XVF3500

4

Connect the speaker to the XVF3500 'AUDIO OUT MAIN'



Place the speakers adjacent to and behind the mic array

5

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



Next, read the [Getting Started Guide](#) to learn how to configure the RPI and start talking with Alexa.