Quick Start Guide: Synaptics® AudioSmart® 4-Mic Development Kit for Amazon AVS

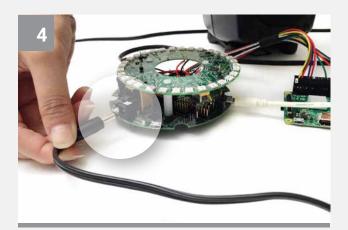**Synaptics**®

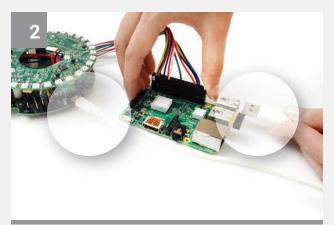| Important Note:	Raspberry Pi 3 (RPi 3) is **not** included in the kit.

1

Connect the cable assembly to the GPIO pins on the RPi 3. Align the sticker labeled '1' with physical pin 1 on the RPi 3.

2

Connect the output of 4-Mic processing signal. Use the USB cable to connect J4 on the CX20924 EVK board to a USB port on the RPi 3.

3

Connect the powered speakers to the Line Out port. Connect the 3.5mm jack from the powered speaker to J8 (labeled LINEOUT) on the CX20924 EVK board.

4

Connect the +5V power supply to the J1 connector on the CX20924 EVK board. This will power the EVK board, Microphone/LED module, and the RPi 3.
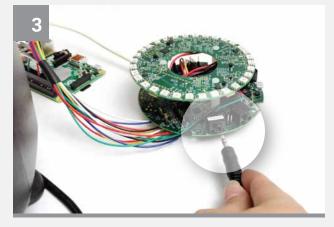*RPi 3's power adapter should NOT be used.*

5

Connecting hardware is complete. Now it's ready for software installation. Setup instructions for RPi 3 can be found here:

https://github.com/conexant/avs-device-sdk/wiki/4-Mic-Development-Kit-User-Guide

6

The unit should be placed on top of the speaker and affixed with some putty or foam to minimize vibrations from the speaker.