

## 1. USB device identification

Insert the microphone into the USB port of the Raspberry Pi, enter `lsusb` command in the terminal to view the microphone device.

`lsusb`

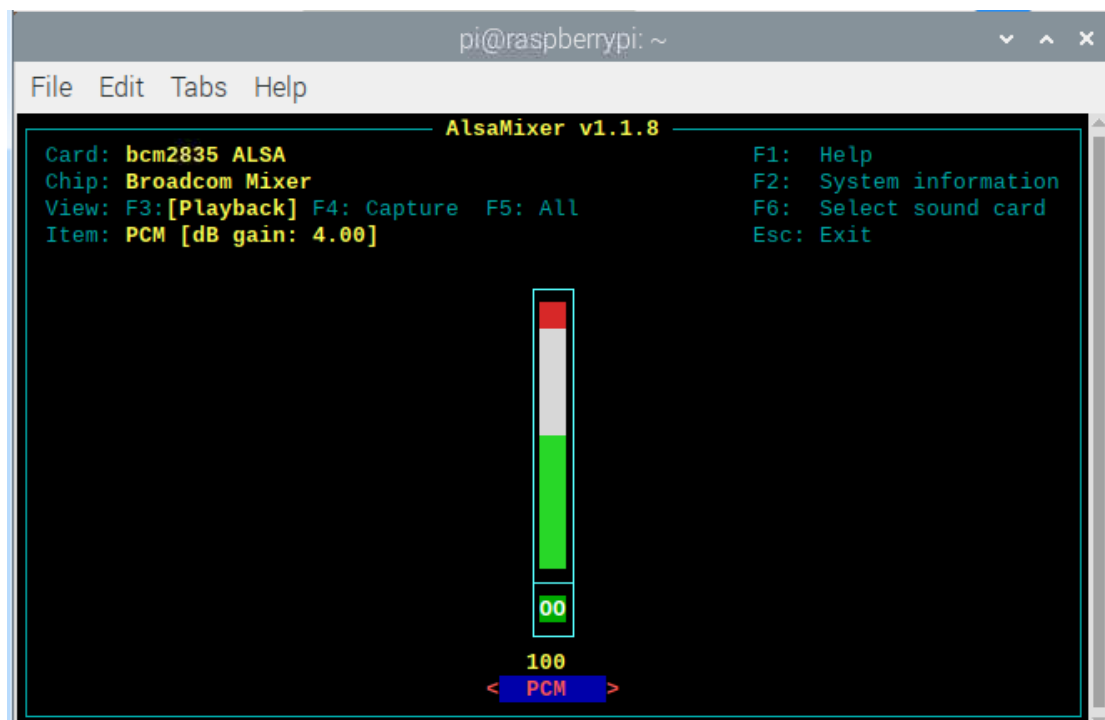
As shown below.

```
pi@raspberrypi:~ $ lsusb
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 003: ID 0d8c:013c C-Media Electronics, Inc. CM108 Audio Controller
Bus 001 Device 002: ID 2109:3431 VIA Labs, Inc. Hub
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
pi@raspberrypi:~ $
```

## 2. Adjust the volume

Alsamixer is an advanced Linux Sound Architecture (ALSA) graphical mixer program for configuring sound settings and adjusting volume, . You can enter `alsamixer` command on the terminal and use the  $\uparrow$   $\downarrow$  keys of the keyboard to adjust the volume.

`alsamixer`



## 3. Recording test

Enter the `sudo apt install audacity` command on the terminal to install the recording software, and then enter `audacity` to open this software.

`sudo apt install audacity`

`audacity`

```
pi@raspberrypi: ~  
File Edit Tabs Help  
pi@raspberrypi:~ $ sudo apt install audacity  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
audacity is already the newest version (2.2.2-1+b1).  
0 upgraded, 0 newly installed, 0 to remove and 33 not upgraded.  
pi@raspberrypi:~ $ audacity
```

Perform recording playback test in the recording software.

