

MY Raspberry Pi Setting Up Your Audio

```
$ sudo ifconfig
```

```
$ Lusb – use lower case L
```

```
pi@raspberrypi:~ $ lsusb
```

```
Bus 001 Device 005: ID 1d57:fa20 Xenta
```

```
Bus 001 Device 004: ID 222a:0001
```

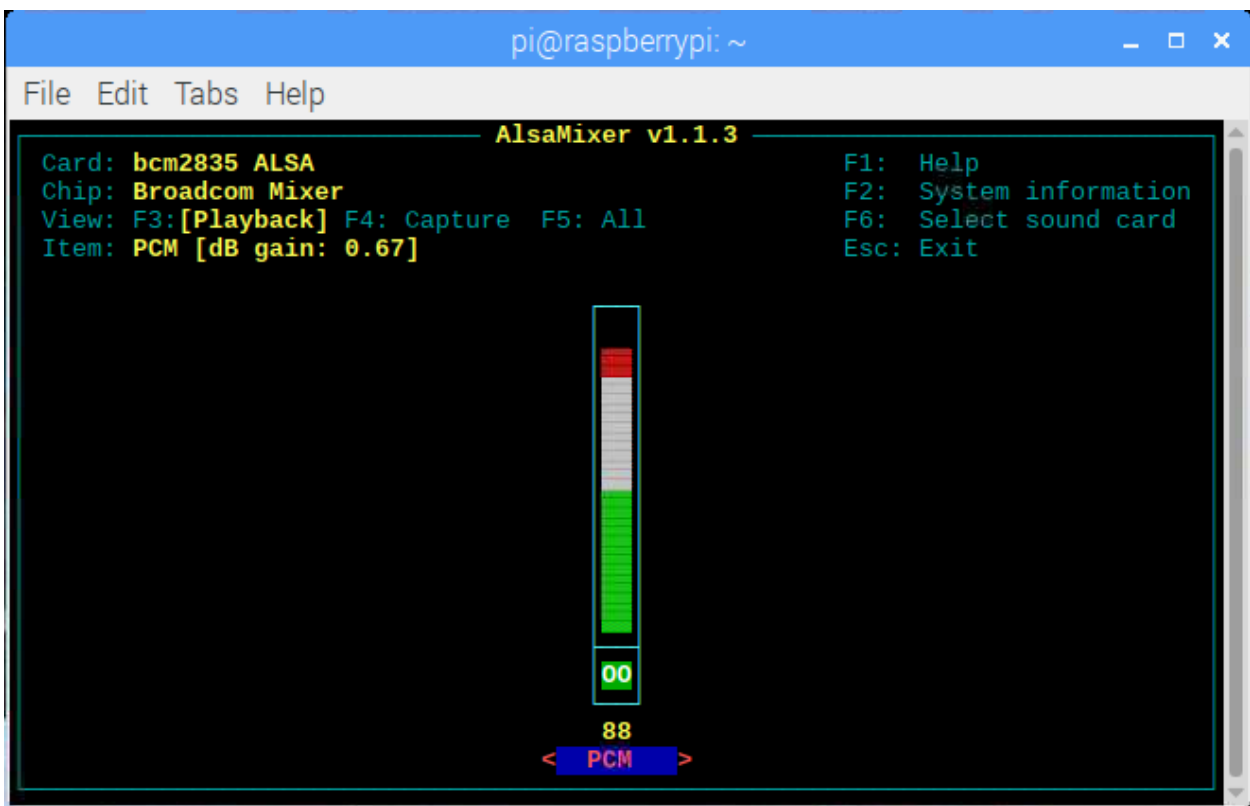
```
Bus 001 Device 007: ID 1b3f:2007 Generalplus Technology Inc.
```

```
Bus 001 Device 006: ID 0424:7800 Standard Microsystems Corp.
```

```
Bus 001 Device 003: ID 0424:2514 Standard Microsystems Corp. USB 2.0 Hub
```

```
Bus 001 Device 002: ID 0424:2514 Standard Microsystems Corp. USB 2.0 Hub
```

```
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
```



```
pi@raspberrypi:~ $
```

Plug the Sound Adapter into your USB port, and then plug your headphones into the Adapter. Ta-Da! 7.1 Channel sound without the investment in a whole set of speakers!



Tired of trying to stretch your cables around the back of your computer? Plug this Adapter into a USB port on the front and use the headphone jack (for output) or the microphone jack (for input).

The USB Virtual 7.1 Channel Sound Adapter is a highly flexible audio interface which can be used either with desktop or notebook systems. Comes bundled with Xear 3D Sound simulation software and turns your

stereo speaker or earphones into a 7.1 channel environment!

USB2.0 Full-Speed (12Mbps) Specification USB HID Class Specification 1.1 USB Audio Device Class Specification 1.0. USB bus-powered, no external power required. Connectors: USB Type A,

Stereo output jack, mono microphone input jack Xear 3D virtual 7.1 channel sound simulation software for Windows XP / Vista is included Functions keys: Microphone-Mute, Speaker-Mute, Volume-Up and Volume-Down LED indicators: Microphone-Mute Status, Activity Plug and Play.

No drivers required for Windows 98SE / ME / 2000 / XP / Server 2003 / Vista, Linux, MacOS Dimensions: 2.25" x 1.0" x .50" Package Includes: -- 1 x 7.1 Channel External USB Audio Sound Card Adapter -- 1 x Software Disc for Xear 3D.

Notes:

- 1) `sudo apt-get install alsa-utils`
- 2) Run `sudo nano /usr/share/alsa/alsa.conf` and look for the following two lines:
`defaults.ctl.card 1`
`defaults.pcm.card 1`
Change both "0" to "1" and then save the file.
Reboot system. That's it!
- 3) `sudo /etc/init.d/alsa-utils reset`
- 4) `sudo apt-get install vlc`
- 5) in Terminal window type `$ alsamixer`

6) Now I change alsamixer F6 to select

```
— Sound Card —
- (default)
0 bcm2835 ALSA
1 USB Audio Device
  enter device name...
```

```
pi@raspberrypi: ~
File Edit Tabs Help
AlsaMixer v1.1.3
Card: USB Audio Device
Chip: USB Mixer
View: F3: [Playback] F4: Capture F5: All
Item: Speaker [dB gain: -21.00, -21.00]
F1: Help
F2: System information
F6: Select sound card
Esc: Exit

33<>33
Speaker
MM
7
Mic
MM
Auto Gain Control
```

- 7) Open the VLC app under Sound & Video menu
- 8) Select an MP3 file to play to verify that it is working.