

Check soundcard settings: bitrate

To check settings

Which sound cards are installed, and what number are they?

```
> cat /proc/asound/cards
0 [NVidia      ]: HDA-Intel - HDA NVidia
                    HDA NVidia at 0xfc080000 irq 69
1 [Generic     ]: HDA-Intel - HD-Audio Generic
                    HD-Audio Generic at 0xfc500000 irq 72
2 [USB        ]: USB-Audio - Scarlett 2i2 USB
                    Focusrite Scarlett 2i2 USB at usb-0000:30:00.4-2.3, high speed
3 [Pro        ]: USB-Audio - FiiO K5 Pro
                    GuangZhou FiiO Electronics Co.,Ltd FiiO K5 Pro at usb-0000:30:00.4-1, high speed
```

Focusrite Scarlett 2i2

```
> cat /proc/asound/card2/stream0
Focusrite Scarlett 2i2 USB at usb-0000:30:00.4-2.3, high speed : USB Audio
```

Playback:

Status: Stop

Interface 1

Altset 1

Format: S32_LE

Channels: 2

Endpoint: 0x01 (1 OUT) (SYNC)

Rates: 44100, 48000, 88200, 96000, 176400, 192000

Data packet interval: 125 us

Bits: 24

Channel map: FL FR

Capture:

Status: Running

Interface = 2

Altset = 1

Packet Size = 200

Momentary freq = 192000 Hz (0x18.0000)

Interface 2

Altset 1

Format: S32_LE

Channels: 2

Endpoint: 0x82 (2 IN) (ASYNC)

Rates: 44100, 48000, 88200, 96000, 176400, 192000

Data packet interval: 125 us

Bits: 24

Channel map: FL FR

UCA202:

```
# cat /proc/asound/CODEC/pcm0p/sub0/hw_params
```

```
# cat /proc/asound/card0/codec#0
```

```
access: MMAP_INTERLEAVED
```

```
format: S16_LE
```

```
subformat: STD
```

```
channels: 2 <----- will be 4 for i04
```

```
rate: 48000 (48000/1) <----- this changes with the input audio file
```

```
period_size: 44100
```

```
buffer_size: 88200
```

FiiO

48kHz and below: BLUE

48kHz and above: YELLOW

DSD: GREEN

```
# cat /proc/asound/card0/stream0 | grep Momentary
```

or

```
# cat /proc/asound/card1/stream0 | grep Momentary
```

```
Momentary freq = 44095 Hz (0x5.8308)
```

```
# cat /proc/asound/card0/stream0
```

```
# cat /proc/asound/card0/pcm0p/sub0/hw_params
```

```
GuangZhou Fii0 Electronics Co.,Ltd Fii0 K5 Pro at usb-0000:00:12.2-3, high spee : USB Audio
```

Playback:

Status: Running

Interface = 1

Altset = 2

Packet Size = 36

Momentary freq = 44095 Hz (0x5.8308)

Feedback Format = 16.16

Interface 1

Altset 1

Format: S32_LE

Channels: 2

Endpoint: 1 OUT (ASYNC)

Rates: 44100, 48000, 88200, 96000, 176400, 192000, 352800, 384000, 705600, 768000

Data packet interval: 125 us

Interface 1

Altset 2

Format: S16_LE

Channels: 2

Endpoint: 1 OUT (ASYNC)

Rates: 44100, 48000, 88200, 96000, 176400, 192000, 352800, 384000, 705600, 768000

Data packet interval: 125 us

Interface 1

Altset 3

Format: SPECIAL

Channels: 2

Endpoint: 1 OUT (ASYNC)

Rates: 44100, 48000, 88200, 96000, 176400, 192000, 352800, 384000, 705600, 768000

Data packet interval: 125 us

FiiO via S/PDIF

```
# cat /proc/asound/card1/pcm1p/sub0/hw_params
```

```
access: MMAP_INTERLEAVED
```

```
format: S32_LE
```

```
subformat: STD
```

```
channels: 2
```

```
rate: 48000 (48000/1)
```

```
period_size: 1024
```

```
buffer_size: 32768
```

Revision #3

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