

richard@MacBook:~\$ aplay -L
default
Playback/recording through the PulseAudio sound server
surround21
2.1 Surround output to Front and Subwoofer speakers
surround40
4.0 Surround output to Front and Rear speakers
surround41
4.1 Surround output to Front, Rear and Subwoofer speakers
surround50
5.0 Surround output to Front, Center and Rear speakers
surround51
5.1 Surround output to Front, Center, Rear and Subwoofer speakers
surround71
7.1 Surround output to Front, Center, Side, Rear and Woofer speakers
null
Discard all samples (playback) or generate zero samples (capture)
samplerate
Rate Converter Plugin Using Samplerate Library
speexrate
Rate Converter Plugin Using Speex Resampler
jack
JACK Audio Connection Kit
oss
Open Sound System
pulse
PulseAudio Sound Server
upmix
Plugin for channel upmix (4,6,8)
vdownmix
Plugin for channel downmix (stereo) with a simple spacialization
sysdefault:CARD=PCH
HDA Intel PCH, CS4208 Analog
Default Audio Device
front:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
Front speakers
surround21:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
2.1 Surround output to Front and Subwoofer speakers
surround40:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
4.0 Surround output to Front and Rear speakers
surround41:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
4.1 Surround output to Front, Rear and Subwoofer speakers
surround50:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
5.0 Surround output to Front, Center and Rear speakers
surround51:CARD=PCH,DEV=0

HDA Intel PCH, CS4208 Analog
5.1 Surround output to Front, Center, Rear and Subwoofer speakers
surround71:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
7.1 Surround output to Front, Center, Side, Rear and Woofer speakers
iec958:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Digital
IEC958 (S/PDIF) Digital Audio Output
dmix:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
Direct sample mixing device
dmix:CARD=PCH,DEV=1
HDA Intel PCH, CS4208 Digital
Direct sample mixing device
dsnoop:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
Direct sample snooping device
dsnoop:CARD=PCH,DEV=1
HDA Intel PCH, CS4208 Digital
Direct sample snooping device
hw:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
Direct hardware device without any conversions
hw:CARD=PCH,DEV=1
HDA Intel PCH, CS4208 Digital
Direct hardware device without any conversions
plughw:CARD=PCH,DEV=0
HDA Intel PCH, CS4208 Analog
Hardware device with all software conversions
plughw:CARD=PCH,DEV=1
HDA Intel PCH, CS4208 Digital
Hardware device with all software conversions
usbstream:CARD=PCH
HDA Intel PCH
USB Stream Output
hdmi:CARD=NVIDIA,DEV=0
HDA NVIDIA, HDMI 0
HDMI Audio Output
hdmi:CARD=NVIDIA,DEV=1
HDA NVIDIA, HDMI 1
HDMI Audio Output
hdmi:CARD=NVIDIA,DEV=2
HDA NVIDIA, HDMI 2
HDMI Audio Output
hdmi:CARD=NVIDIA,DEV=3
HDA NVIDIA, HDMI 3
HDMI Audio Output
hdmi:CARD=NVIDIA,DEV=4
HDA NVIDIA, HDMI 4
HDMI Audio Output

hdmi:CARD=NVIDIA,DEV=5
HDA NVIDIA, HDMI 5
HDMI Audio Output

dmix:CARD=NVIDIA,DEV=3
HDA NVIDIA, HDMI 0
Direct sample mixing device

dmix:CARD=NVIDIA,DEV=7
HDA NVIDIA, HDMI 1
Direct sample mixing device

dmix:CARD=NVIDIA,DEV=8
HDA NVIDIA, HDMI 2
Direct sample mixing device

dmix:CARD=NVIDIA,DEV=9
HDA NVIDIA, HDMI 3
Direct sample mixing device

dmix:CARD=NVIDIA,DEV=10
HDA NVIDIA, HDMI 4
Direct sample mixing device

dmix:CARD=NVIDIA,DEV=11
HDA NVIDIA, HDMI 5
Direct sample mixing device

dsnoop:CARD=NVIDIA,DEV=3
HDA NVIDIA, HDMI 0
Direct sample snooping device

dsnoop:CARD=NVIDIA,DEV=7
HDA NVIDIA, HDMI 1
Direct sample snooping device

dsnoop:CARD=NVIDIA,DEV=8
HDA NVIDIA, HDMI 2
Direct sample snooping device

dsnoop:CARD=NVIDIA,DEV=9
HDA NVIDIA, HDMI 3
Direct sample snooping device

dsnoop:CARD=NVIDIA,DEV=10
HDA NVIDIA, HDMI 4
Direct sample snooping device

dsnoop:CARD=NVIDIA,DEV=11
HDA NVIDIA, HDMI 5
Direct sample snooping device

hw:CARD=NVIDIA,DEV=3
HDA NVIDIA, HDMI 0
Direct hardware device without any conversions

hw:CARD=NVIDIA,DEV=7
HDA NVIDIA, HDMI 1
Direct hardware device without any conversions

hw:CARD=NVIDIA,DEV=8
HDA NVIDIA, HDMI 2
Direct hardware device without any conversions

hw:CARD=NVIDIA,DEV=9
HDA NVIDIA, HDMI 3

Direct hardware device without any conversions
hw:CARD=Nvidia,DEV=10
HDA Nvidia, HDMI 4
Direct hardware device without any conversions
hw:CARD=Nvidia,DEV=11
HDA Nvidia, HDMI 5
Direct hardware device without any conversions
plughw:CARD=Nvidia,DEV=3
HDA Nvidia, HDMI 0
Hardware device with all software conversions
plughw:CARD=Nvidia,DEV=7
HDA Nvidia, HDMI 1
Hardware device with all software conversions
plughw:CARD=Nvidia,DEV=8
HDA Nvidia, HDMI 2
Hardware device with all software conversions
plughw:CARD=Nvidia,DEV=9
HDA Nvidia, HDMI 3
Hardware device with all software conversions
plughw:CARD=Nvidia,DEV=10
HDA Nvidia, HDMI 4
Hardware device with all software conversions
plughw:CARD=Nvidia,DEV=11
HDA Nvidia, HDMI 5
Hardware device with all software conversions
usbstream:CARD=Nvidia
HDA Nvidia
USB Stream Output
richard@MacBook:~\$