

This document describes standard names of mixer controls.

Syntax: SOURCE [DIRECTION] FUNCTION

DIRECTION:

<nothing> (both directions)
Playback
Capture
Bypass Playback
Bypass Capture

FUNCTION:

Switch (on/off switch)
Volume
Route (route control, hardware specific)

SOURCE:

Master
Master Mono
Hardware Master
Speaker (internal speaker)
Headphone
Beep (beep generator)
Phone
Phone Input
Phone Output
Synth
FM
Mic
Line
CD
Video
Zoom Video
Aux
PCM
PCM Front
PCM Rear
PCM Pan
Loopback
Analog Loopback (D/A -> A/D loopback)
Digital Loopback (playback -> capture loopback - without analog path)
Mono
Mono Output
Multi
ADC
Wave
Music
I2S
IEC958

Exceptions:

[Digital] Capture Source
[Digital] Capture Switch (aka input gain switch)
[Digital] Capture Volume (aka input gain volume)
[Digital] Playback Switch (aka output gain switch)
[Digital] Playback Volume (aka output gain volume)

ControlNames.txt

Tone Control - Switch
Tone Control - Bass
Tone Control - Treble
3D Control - Switch
3D Control - Center
3D Control - Depth
3D Control - Wide
3D Control - Space
3D Control - Level
Mic Boost [(?dB)]

PCM interface:

Sample Clock Source { "Word", "Internal", "AutoSync" }
Clock Sync Status { "Lock", "Sync", "No Lock" }
External Rate /* external capture rate */
Capture Rate /* capture rate taken from external source */

IEC958 (S/PDIF) interface:

IEC958 [...] [Playback|Capture] Switch /* turn on/off the IEC958
interface */
IEC958 [...] [Playback|Capture] Volume /* digital volume control */
IEC958 [...] [Playback|Capture] Default /* default or global value -
read/write */
IEC958 [...] [Playback|Capture] Mask /* consumer and professional
mask */
IEC958 [...] [Playback|Capture] Con Mask /* consumer mask */
IEC958 [...] [Playback|Capture] Pro Mask /* professional mask */
IEC958 [...] [Playback|Capture] PCM Stream /* the settings assigned to a
PCM stream */
IEC958 Q-subcode [Playback|Capture] Default /* Q-subcode bits */
IEC958 Preamble [Playback|Capture] Default /* burst preamble words
(4*16bits) */