```
cvtaudio type=aiff file.smpeg file.aiff
```

Given the same MPEG system stream, if you want to convert the audio to 16kHz mono, the command line would be:

```
cvtaudio type=aiff rate=16000 channels=1 file.smpeg
file.aiff
```

Given an audio CD, the second track can be extracted into an aiff file with the command line:

```
cvtaudio type=aiff cdda:2 track2.aiff
```

To extract the first one minute and fifteen seconds of the 1 1th audio track, use the command line:

```
cvtaudio type=aiff cdda:11,1:15 track2.aiff
```

Note that when you extract data from an audio CD, cvtaudio must run as root because of access permissions to the raw SCSI drivers.

SEE ALSO

ampegcomp, playaudio

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NAME

cvtaudio - audio conversion tool

SYNOPSIS

`cvtaudio [attribute] ... <input> <output>`

OPTIONS

rate= *N*	Specifies an output rate of N; e.g., `rate=44100` or `rate=32000`.
bits= *B*	Specifies the output bits per sample; e.g., `bits=16`. A special form is `bits=ulaw` or `bits=mulaw` which means 8-bit mu-law encoding (the number of channels must be 1, in this case).
channels= *C*	Specifies the number of channels as C. Currently this should be 1 (mono) or 2 (stereo).
quality= *Q*	Specifies the quality level for decoding the input; it must be a number between 0.0 and 1.0; e.g., `quality=.25`. This is only useful for MPEG input files.
type= *name*	Specifies the output file type; e.g., type=aiff. Currently , the only output types available from this program are `au` (Sun Audio), `aiff` or `aifc`.

DESCRIPTION

This program converts takes an input file containing audio and produces an ouput audio file.

Input files may be any of the following types:

- AIFF
- AIFC (however , no compressed data)
- AU (Sun Audio)
- MPEG audio
- MPEG system (containing MPEG audio)
- Parallax JMOVIE file
- Compact Disk Digital Audio, also known as CDDA or Audio CD (SGI only).

Since there is no UNIX file name that corresponds with a CDDA track, the input file is specified with a meta-syntax in the form

```
cdda:[track #][+offset][,length]
```

The track number is one or more digits. If the length is not specified, then the length defaults to starting point out to the end of the starting track. The offset and length take the form

```
min:sec:frame
```

where all fields do not need to be present.

EXAMPLE

Given an MPEG system stream, named `file.smpeg`, containing an MPEG audio stream, this can be converted to an AIFF file named `file.aiff` as shown below . Note that since not attributes were specified the attributes of the AIFF file (bits per sample, rate channels) will be the same as the input.