

NAME

afSetVirtualByteOrder, afSetVirtualChannels, afSetVirtualPCMMapping, afSetVirtualSampleFormat – set the virtual data format for a track in an audio file

SYNOPSIS

```
#include <audiofile.h>
```

```
int afSetVirtualByteOrder (AFilehandle file, int track, int byteOrder);
```

```
int afSetVirtualChannels (AFilehandle file, int track, int channels);
```

```
int afSetVirtualSampleFormat (AFilehandle file, int track,
    int sampleFormat, int sampleWidth);
```

```
int afSetVirtualPCMMapping (AFilehandle file, int track,
    double slope, double intercept, double minclip, double maxclip);
```

PARAMETERS

- *file* is an AFilehandle which refers to an open audio file and is usually created by afOpenFile.
- *track* is an integer which identifies a particular track in an open audio file. The only valid track is AF_DEFAULT_TRACK for all currently supported file formats.
- *sampleFormat* is an integer which denotes a virtual sample format. Valid values are AF_SAMPFMT_TWOSCOMP, AF_SAMPFMT_UNSIGNED, AF_SAMPFMT_FLOAT, and AF_SAMPFMT_DOUBLE.
- *sampleWidth* is a positive integer which specifies the number of bits in a sample.
- *channels* is a positive integer which specifies the number of interleaved audio channels in the given audio track.
- *byteOrder* is an integer which specifies the virtual byte order of samples in the given audio track. *byteOrder* can be either AF_BYTEORDER_BIGENDIAN or AF_BYTEORDER_LITTLEENDIAN.
- *slope* and *intercept* are double-precision floating point values which indicate the audio data sample slope and zero-crossing value, respectively, for the given sample format.
- *minclip* and *maxclip* are double-precision floating point values which indicates the minimum or maximum sample values to be returned. Any values less than *minclip* will be set to *minclip*, and any values greater than *maxclip* will be set to *maxclip*.

AFSETVIRTUALSAMPLEFO(3)

AFSETVIRTUALSAMPLEFO(3)

RETURN VALUE

These functions return 0 for success and -1 for failure.

AUTHOR

Michael Pruett <michael@68k.org>