

NAME

afOpenFile – open an audio file and create a file handle structure used for subsequent calls to the Audio File Library

SYNOPSIS

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

```
AFilehandle afOpenFile(const char *path, const char *mode,
    AFilesetup setup);
```

PARAMETERS

path is the path to the file to be opened.

mode specifies a mode for opening the file: "r" for reading or "w" for writing.

setup is an AFilesetup created by **afNewFileSetup(3)**. This value is ignored for files opened for reading except when the file format is AF_FILE_RAWDATA.

RETURN VALUE

Upon success, afOpenFile returns a valid AFilehandle which can be used in subsequent calls to the Audio File Library. Upon failure, afOpenFile returns NULL and generates an error.

afCloseFile(3) is used to close the file when it is no longer needed.

ERRORS

afOpenFile can produce the following errors:

AF_BAD_OPEN

A call to open failed.

AF_BAD_READ

A call to read failed

AF_BAD_WRITE

A call to write failed.

AF_BAD_LSEEK

A call to lseek failed.

AF_BAD_MALLOC

Memory allocation failed.

AF_BAD_FILEFMT

setup specifies a file format which is unsupported for mode.

AF_BAD_SAMPFMT

The file's sample format is not supported.

AF_BAD_WIDTH

The file's sample width is not supported.

AF_BAD_RATE

The file's sample rate is not supported.

AF_BAD_CHANNELS

The number of channels in the file is not supported.

AF_BAD_FILESETUP

setup specifies an invalid or unsupported configuration.

SEE ALSO

afCloseFile(3), afNewFileSetup(3), afInitFileFormat(3), afInitSampleFormat(3), afReadFrames(3), afWriteFrames(3)

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