BASS_Encode_OGG_GetVersion

Retrieves the version of BASSenc_OGG that is loaded.

DWORD BASS_Encode_OGG_GetVersion();

Return value

The BASSenc_OGG version. For example, 0x02040103 (hex), would be version 2.4.1.3

BASS_Encode_OGG_Start

Sets up an Ogg Vorbis encoder on a channel.

```
HENCODE BASS_Encode_OGG_Start(
    DWORD handle,
    char *options,
    DWORD flags,
    ENCODEPROC *proc,
    void *user
);
```

Parameters

handle The channel handle... a HSTREAM, HMUSIC, or HRECORD.

Encoder options... NULL = use defaults. The following OGGENC options

> style options are supported: -b / --bitrate, -m / --min-bitrate, -M / -max-bitrate, -q / --quality, -s / --serial, -t / --title, -a / --artist, -G / --

genre, -d / --date, -l / --album, -N / --tracknum, -c / --comment. Anything else that is included will be ignored. See the OGGENC

<u>documentation</u> for details on the aforementioned options and defaults.

flags A combination of these flags.

Queue data to feed the

encoder asynchronously. This prevents the data source (DSP

system or

BASS Encode Write call)

getting blocked by the

encoder, but if data is queud more quickly than the encoder can process it, that could result

in lost data.

BASS ENCODE LIMIT Limit the encoding rate to

real-time speed, by

introducing a delay when the rate is too high. With BASS

2.4.6 or above, this flag is ignored when the encoder is

fed in a playback buffer update cycle (including

BASS Update and

BASS ChannelUpdate calls),

to avoid possibly causing playback buffer underruns.

Except for in those instances,

this flag is applied

automatically when the

encoder is feeding a Shoutcast

BASS ENCODE QUEUE

or Icecast server.

BASS_ENCODE_CAST_NOLIMIT Don't limit the encoding rate

to real-time speed when

feeding a Shoutcast or Icecast server. This flag overrides the BASS_ENCODE_LIMIT flag.

BASS_ENCODE_PAUSE Start the encoder in a paused

state.

BASS_ENCODE_AUTOFREE Automatically free the

encoder when the source

channel is freed. If queuing is

enabled, any remaining

queued data will be sent to the

encoder before it is freed.

BASS_UNICODE options is in UTF-16 form.

Otherwise it should be UTF-8.

proc Optional callback function to receive the encoded data... NULL = no

callback.

user User instance data to pass to the callback function.

Return value

The encoder handle is returned if the encoder is successfully started, else 0 is returned. Use <u>BASS_ErrorGetCode</u> to get the error code.

Error codes

BASS_ERROR_HANDLE handle is not valid.

BASS_ERROR_FORMAT The channel's sample format is not supported

by the encoder.

BASS_ERROR_NOTAVAIL This function is not available on

platforms/architectures without an FPU.

BASS_ERROR_UNKNOWN Some other mystery problem!

Remarks

<u>BASS_Encode_StartUser</u> is used internally to apply the encoder to the source channel, so the remarks in its documentation also apply to this function.

Tags/comments should be in UTF-8 form. This function will take care of that when the BASS_UNICODE flag is used, but otherwise you will need to make sure that any tags included in *options* are UTF-8 (not ISO-8859-1/etc).

Platform-specific

Ogg Vorbis encoding involves extensive floating-point operations, so it is not supported on platforms/architectures that do not have an FPU, eg. older ARM platforms/architectures.

See also

BASS Encode OGG StartFile

BASS Encode CastInit, BASS Encode IsActive, BASS Encode ServerInit,

BASS Encode SetNotify, BASS Encode SetPaused, BASS Encode Stop,

BASS_Encode_Write, ENCODEPROC callback,

BASS CONFIG ENCODE PRIORITY

BASS_Encode_OGG_StartFile

Sets up an Ogg Vorbis encoder on a channel, writing the output to a file.

```
HENCODE BASS_Encode_OGG_StartFile(
    DWORD handle,
    char *options,
    DWORD flags,
    char *filename
);
```

Parameters

handle The channel handle... a HSTREAM, HMUSIC, or HRECORD.

options Encoder options... NULL = use defaults. The following OGGENC

> style options are supported: -b / --bitrate, -m / --min-bitrate, -M / -max-bitrate, -q / --quality, -s / --serial, -t / --title, -a / --artist, -G / --

genre, -d / --date, -l / --album, -N / --tracknum, -c / --comment. Anything else that is included will be ignored. See the OGGENC

documentation for details on the aforementioned options and

defaults.

flags A combination of these flags.

> BASS ENCODE QUEUE Queue data to feed the

> > encoder asynchronously.

This prevents the data source

(DSP system or

BASS Encode Write call)

getting blocked by the

encoder, but if data is queud

more quickly than the

encoder can process it, that

could result in lost data.

BASS ENCODE LIMIT Limit the encoding rate to

real-time speed, by

introducing a delay when the rate is too high. With BASS 2.4.6 or above, this flag is

ignored when the encoder is fed in a playback buffer

update cycle (including

BASS Update and

BASS ChannelUpdate

calls), to avoid possibly causing playback buffer

underruns. Except for in

those instances, this flag is

applied automatically when

the encoder is feeding a Shoutcast or Icecast server.

BASS_ENCODE_CAST_NOLIMIT Don't limit the encoding rate

to real-time speed when feeding a Shoutcast or Icecast server. This flag

overrides the

BASS_ENCODE_LIMIT

flag.

BASS_ENCODE_PAUSE Start the encoder in a paused

state.

BASS_ENCODE_AUTOFREE Automatically free the

encoder when the source channel is freed. If queuing is enabled, any remaining queued data will be sent to the encoder before it is freed.

BASS_UNICODE options and filename are in

UTF-16 form. Otherwise *options* should be UTF-8 on all platforms, and *filename* should be ANSI on Windows

and UTF-8 on other

platforms.

filename Output filename... NULL = no output file.

Return value

The encoder handle is returned if the encoder is successfully started, else 0 is returned. Use <u>BASS_ErrorGetCode</u> to get the error code.

Error codes

BASS_ERROR_HANDLE handle is not valid.

BASS_ERROR_FORMAT The channel's sample format is not supported

by the encoder.

BASS_ERROR_CREATE The file could not be created.

BASS_ERROR_NOTAVAIL This function is not available on

platforms/architectures without an FPU.

BASS_ERROR_UNKNOWN Some other mystery problem!

Remarks

<u>BASS_Encode_StartUser</u> is used internally to apply the encoder to the source channel, so the remarks in its documentation also apply to this function.

Tags/comments should be in UTF-8 form. This function will take care of that when the BASS_UNICODE flag is used, but otherwise you will need to make sure that any tags included in *options* are UTF-8 (not ISO-8859-1/etc).

Platform-specific

Ogg Vorbis encoding involves extensive floating-point operations, so it is not supported on platforms/architectures that do not have an FPU, eg. older ARM platforms/architectures.

See also

BASS Encode OGG Start

BASS_Encode_IsActive, BASS_Encode_SetNotify, BASS_Encode_SetPaused,
BASS_Encode_Stop, BASS_Encode_Write,
BASS_CONFIG_ENCODE_PRIORITY