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
Sets up an Ogg Vorbis encoder on a channel.

HENCODER BASS_Encode_OGG_Start(
    DWORD handle,
    char *options,
    DWORD flags,
    ENCODEPROC *proc,
    void *user
);
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 queued 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_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 `BASS_ErrorGetCode` to get the error code.
**Error codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASS_ERROR_HANDLE</td>
<td><em>handle</em> is not valid.</td>
</tr>
<tr>
<td>BASS_ERROR_FORMAT</td>
<td>The channel's sample format is not supported by the encoder.</td>
</tr>
<tr>
<td>BASS_ERROR_NOTAVAIL</td>
<td>This function is not available on platforms/architectures without an FPU.</td>
</tr>
<tr>
<td>BASS_ERROR_UNKNOWN</td>
<td>Some other mystery problem!</td>
</tr>
</tbody>
</table>
Remarks

*BASS_Encode_StartUser* 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
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 queued 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 `BASS_ErrorGetCode` 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

BASS_Encode_StartUser 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