# SOUND4 Kantar.CL Library [1.2.0]

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**1 SOUND4 Kantar.CL Library** 1

1.1 General usage . . . . . 1

1.2 Parameters . . . . . 1

1.3 Metadata Parameters for file mode . . . . . 2

1.4 Installation . . . . . 2

**2 File Index** 3

2.1 File List . . . . . 3

**3 File Documentation** 5

3.1 documentation.h File Reference . . . . . 5

3.2 documentation.h . . . . . 5

**Index** 7

# Chapter 1

# SOUND4 Kantar.CL Library

## 1.1 General usage

This library can be used with SOUND4 .CL HD and WEB processing families. This extension supports Live and File processing.

Watermarking is inserted before final limiter.

## 1.2 Parameters

Parameters are especially useful in file mode, so you do not have to go to the web interface to configure the Watermarking.

The following parameters can be set :

- `KANTAR_Login` : The Kantar login for online licenses
- `KANTAR_Password` : The Kantar password for online licenses
- `KANTAR_LicenseID` : The license ID to be used for the embedding process
- `KANTAR_LicenseName` : The license name to be used for the embedding process (instead of KANTAR↩ _LicenseID)
- `KANTAR_ChannelName` : The channel name to be used for the embedding process
- `KANTAR_OfflineLicense` : Force use of offline (1) or online (0) license instead of runtime choosing
- `KANTAR_LicPath` : Path where the offline licenses are stored
- `KANTAR_SilentOnError` : Output silence if in error instead of input (0/1)
- `KANTAR_ProAudio` : Windows Only: Join the OS pro-audio scheduling class (Windows MMCSS) on the Kantar worker thread (0/1). Enable only when the host uses pro-audio audio threads.
- `KANTAR_Affinity` : CPU affinity of the Kantar worker thread (hex "0x.." or decimal). Unset (default): the worker follows the host audio thread's affinity. Set to 0: do not follow (leave OS default). Set to a non-zero mask: pin the worker to that mask.

and in file mode you can also set :

- `KANTAR_ReportPath` : Set the directory where reports are saved
- `KANTAR_DummyContentId` : Like KANTAR_UniqueContentId, but does not force the watermarking on.

If needed, you can select a different Kantar license server than the default by setting the variables (from env or params):

- `KANTAR_LICSERVER=online-olg-p.acr.55-prod.com`
- `KANTAR_LICSERVER_PORT=443`

For Online mode, you can change the timings for checking the Kantar license server availibity :

- `KANTAR_SERVER_TIMEOUT=3` : Time out in seconds to consider server is down
- `KANTAR_SERVER_CHECK_EVERY=60` : Seconds between checks

## 1.3 Metadata Parameters for file mode

The metadata can be set using process `SetParameter` before creating the instance :

- `KANTAR_InputFileName` : The input filename
- `INPUT_FILENAME` : The input filename (if no KANTAR_InputFileName)
- `KANTAR_MetadataFilePath` : The path to the metadata file (JSON or XML format), fields overriden automatically
- `KANTAR_UniqueContentId` : The Unique content identifier
- `KANTAR_FileDuration` : The file duration in second (default: using FILE_MODE value)
- `KANTAR_FileOffset` : The file offset duration in seconds
- `KANTAR_BBis` : First time stamp that will be embedded during the watermarking (YYYY-MM-DDThh:mm↩ :ssZ)
- `KANTAR_Metadata3` : 3rd Metadata (when no BBIS)
- `KANTAR_Metadata4` : 4th Metadata
- `KANTAR_Metadata5` : 5th Metadata
- `KANTAR_Metadata6` : 6th Metadata
- `KANTAR_Metadata7` : 7th Metadata
- `KANTAR_Metadata8` : 8th Metadata

## 1.4 Installation

You just have to put this library, with its Kantar's software companions, in the same directory of the process, and it will detect and use it, if possible.

You can check in the About window, it should appear with its version.

You will need a `Watermark.CL` license activated by SOUND4.

# Chapter 2

# File Index

## 2.1 File List

Here is a list of all files with brief descriptions:

documentation.h . . . . . 5

# Chapter 3

# File Documentation

## 3.1 documentation.h File Reference

## 3.2 documentation.h

Go to the documentation of this file.

```
00001
```

# Index

documentation.h, 5

SOUND4 Kantar.CL Library, 1