

# **MAUDDatatype**

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COLLABORATORS

	TITLE : MAUDDatatype		
ACTION	NAME	DATE	SIGNATURE
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## MAUDDatatype

### 1.1 MAUD Datatype document

MAUD Datatype - Public Release 1

Version 39.2 (07.01.1995)

(c) 1994 by Frank Hoffmann

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### 1.2 INSTALLATION, REQUIREMENTS & TESTED

This datatype is tested on a Amiga 4000 with Kickstart 3.1, but it should run on all machines with Kickstart 3.0 and above. Only 32Bit Prozessors ( $\geq 68020$ ) are supported!.

To install just copy the files

MAUD

MAUD.info

to the drawer

sys:devs/datatypes

and the file

maud.datatype

to the drawer

sys:classes/datatypes

and reboot your machine.

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## 1.3 MAUD Fileformat Information

The MAUD format is Copyright by MS MacroSystem Computer GmbH - Germany and is used by the Toccata Zorro 2 Audiocard Software. The MAUD Format is also supported by the Samplitude Software by SEK'D.

File Extension : #?.maud (checked by datatype)

Magic Number : IFF-File with Common Chunk "MAUD" (checked by datatype)

## 1.4 Features & TODO

### FEATURES

- \*Decode **MAUD** files to 8 bit sample data

- \*Normalizes the 8bit data (which is much quicker)

Supported Chunks:

MHDR Sample Header

MDAT Sample Data

Unsupported Chunks:

MINF Channel Information - not documented yet.

Supported Compression Formats:

NONE with 8 bit unsigned and 16 bit with signed data.

ULAW only scaling the data, no real decoding. Will give an impression of the sample with distortions.

ALAW see ULAW

Unsupported Compression Formats:

FIBDELTA

ADPCM2-5

LONGDAT

### METHODS

- \*OM\_New to read from file

### TODO

- \*Normalize the >8 bit data for better quality ( but is much slower )

- \*Support other bit resolutions

- \*Support of other compressions

- \*Support of multichannel/stereo files

- \*Looppoint extraction

- \*Low memory detection & low memory conversion

- \*Channel mixing !?

(maybe)

- \*Implement other methods (Write)

- \*Prefs and shared library for conversion & general behaviour of sound data-types, based on a sound support library which can convert and process sample

data. ( Feel free to contact me for suggestions and help offers )

#### OTHER DATATYPE PROJECTS

- MIDI Sample Dump Standard ( on work )
- Sample Vision ( also released )
- Yamaha TX16W (also released )

## 1.5 Disclaimer & legal matters

#### DISCLAIMER

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#### LEGAL MATTERS

This datatype is Public Domain. Do whatever you want with it.

This datatype is based on the source code of the AIFF Datatype by

Olaf 'Olsen' Barthel <olsen@sourcery.han.de> which is public domain.

The MAUD Fileformat is copyright by MS Macro Systems Computer GmbH, D-58454 Witten.

## 1.6 ACKNOWLEDGEMENT

Many thanks to Olaf 'Olsen' Barthel for his help in designing datatypes.

## 1.7 Bugs

#### BUGS

no known bugs (yet), but there is no 100% bug free software...

contact the **Author** for bug reports.

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## 1.8 Author

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