

YamahaTX16WDatatype

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|---------------|---------------------------------------|-----------------|------------------|
| | <i>TITLE :</i> YamahaTX16WDatatype | | |
| <i>ACTION</i> | <i>NAME</i> | <i>DATE</i> | <i>SIGNATURE</i> |
| WRITTEN BY | Frank Hoffmann | August 25, 2024 | |

REVISION HISTORY

| NUMBER | DATE | DESCRIPTION | NAME |
|--------|------|-------------|------|
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Contents

| | | |
|----------|---|----------|
| 1 | YamahaTX16WDatatype | 1 |
| 1.1 | Yamaha TX16W Datatype document | 1 |
| 1.2 | INSTALLATION, REQUIREMENTS & TESTED | 1 |
| 1.3 | Yamaha TX16W Fileformat Information | 2 |
| 1.4 | Features & TODO | 2 |
| 1.5 | Disclaimer & legal matters | 2 |
| 1.6 | ACKNOWLEDGEMENT | 3 |
| 1.7 | Bugs | 3 |
| 1.8 | Release History | 3 |
| 1.9 | Author | 3 |

Chapter 1

YamahaTX16WDatatype

1.1 Yamaha TX16W Datatype document

Yamaha TX16W Datatype - Public Release 1

Version 39.4 (24.01.1994)

(c) 1994 by Frank Hoffmann

[Installation, Requirements & Tested](#)

[About the Yamaha TX16W Fileformat](#)

[DISCLAIMER & LEGAL MATTERS](#)

[Features & TODO](#)

[Known Bugs](#)

[ACKNOWLEDGEMENTS](#)

[Histry](#)

[Author/Contact](#)

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 (≥ 68020) are supported!.

To install just copy the files

TX16W

TX16W.info

to the drawer

sys:devs/datatypes

and the file

TX16W.datatype

to the drawer

sys:classes/datatypes

and reboot your machine.

1.3 Yamaha TX16W Fileformat Information

The TX16W is a 12bit music sampler manufactured by Yamaha. It has 3 sampling frequencies 16,33 and 50 hz. The samples can be stored on floppy disks which use the MS-Dos format and a subset of the MS-Dos Filesystem, so reading with CrossDos should be save, but never tried it.

File Extension : #?.Wxx with xx (checked by datatype *)

Magic Number : "LM8953" (checked by datatype)

*) All TX16W files have the same magic number, even utility files, so we have to check it.

1.4 Features & TODO

FEATURES

*Decode TX16W sample files to 8 bit sample data

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

METHODS

*OM_New to read from file

TODO

(near future)

*Normalize the 12 bit data for better quality (but is much slower)

*Looppoint extraction

*Low memory detection & low memory conversion

(maybe)

*Implement other methods (Write)

*Prefs and shared library for conversion & general behaviour of sound datatypes, based on a sound support library wich can convert and process sample data. (Feel free to contact me for suggestions and help offers)

OTHER DATATYPE PROJECTS

-Maud (also released)

-MIDI Sample Dump Standard (on work)

-Sample Vision (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.

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.

1.8 Release History

Version 39.4 - archive bug fixed.

- more save sample data length.

- library and file open cleaned.

Version 39.3 - first public release.

1.9 Author

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