

# **YamahaTX16WDatatype**

Frank Hoffmann

<b>COLLABORATORS</b>
----------------------

	<i>TITLE :</i> YamahaTX16WDatatype		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Frank Hoffmann	November 20, 2024	

<b>REVISION HISTORY</b>
-------------------------

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>YamahaTX16WDatatype</b>	<b>1</b>
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](#)

[Histroy](#)

[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 ( $\geq 68020$ ) 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 data-types, 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

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDER AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM

---

IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 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

Frank Hoffmann

E-Mail (temporary):

hoffmann@ls11.informatik.uni-dortmund.de

permanent address:

Hochdahler Str.134

40724 Hilden

(feel free to contact me via E-Mail for bug reports, suggestions, projects...)

---