

targa.datatype

Arthur Pijpers

COLLABORATORS

	TITLE : targa.datatype		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY	Arthur Pijpers	November 11, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	targa.datatype	1
1.1	targa.datatype Documentation	1
1.2	legal	1
1.3	installation	1
1.4	targa	2
1.5	implementation	2
1.6	history	2
1.7	acknowledgements	3
1.8	author	3
1.9	bugs	3
1.10	important	3

Chapter 1

targa.datatype

1.1 targa.datatype Documentation

Table of Contents

- Legal
- How to Install
- What is a Targa file ?
- Implementation Details (Release Notes)
- Revision history
- Acknowledgements
- Author
- Bugs
- Important note!

1.2 legal

Legal

The targa datatype is freely distributable, but you may not charge for it, other than for reasonable media and distribution costs such as those charged by Fred Fish, the Aminet CD and other reputable PD libraries.

The targa datatype can be distributed as part of a datatype collection, but then you have to supply both the 68000 and the 68020 version.

If you really use this datatype, please send me some E-Mail. I'd like to know if people really use these things.

1.3 installation

How to Install

Simply double click on the targa.datatype.install icon and follow the onscreen instructions.

1.4 targa

What is a Targa file ?

A Targa file is a graphical file format. It is most of the time used to store 24 bit pictures, but there are also formats for 1 to 8, 15, 16 and 32 bits. Targa files don't have special characters in the header to recognize it. Therefor a Targa file can only be recognized by the extension of the filename. This extension must be .tga or .TGA, or the file will not be recognized.

See also Important

TARGA and TGA are registered trademarks of Truevision, Inc.

1.5 implementation

Implementation Details (Release Notes)

This implementation will decode Targa files in up to 256 colours. 15,16,24 and 32 bit Targa images are converted to HAM8 on AGA systems. On systems with picture.datatype v43+, they are converted to 24 bit. For 32 bit images, the alpha channel data are skipped.

1.6 history

Revision History

Version 43.1 released 2-3-1997

- Code optimized
- Removed specific check for cybergraphics.library
- Added check for DTST_FILE
- Recomplied with SAS/C V6.57
- Shortened the guide file
- Other E-mail address

Version 43.0 released 18-2-1996

- Added CyberGraphX support
- Finally removed bug when used with Workbench 3.0

Version 39.2 released 10-4-1995

- Fixed some bugs in the 15,16 bit support
- ModeID selection is safer now for HAM8 screens.

Version 39.1 released 18-3-1995

- Added 15,16 bit support
 - Added support for 8,15,16 and 32 bit colourmaps and for pictures without a colourmap
 - Added support for interleaved pictures
-

- Added support for right to left pictures
- Fixed small problem with 15,16,24 and 32 bit pictures, that also have a colourmap
- Swapped some colours in the HAM palette, to give the pointer (almost) the standard Workbench colours

Version 39.0 released 22-1-1995

- First release

1.7 acknowledgements

Acknowledgements

Many thanks to John Hendrikx (Textdemo/FastView) for the Chunky2Planar and RGBtoHAM8 routines

Thanks to Frank Mariak and Thomas Sontowski for developing CyberGraphX

Thanks to Ralph Schmidt for developing the v43 picture.datatype with CyberGraphX support

Thanks to the guys of SAS/C, who keep updating the C-compiler in their own time

targa datatype was compiled using SAS/C V6.57

TARGA and TGA are registered trademarks of Truevision, Inc.

1.8 author

Author

Arthur Pijpers
E-mail: luyten@caiwnl

1.9 bugs

Bugs

Previous versions (<43) of targa.datatype didn't always work correct with picture.datatype 39.14 from Workbench 3.0. When using a HAM8 screen, targa.datatype reserved 64 colours, but picture.datatype wanted 256 colours.

1.10 important

Important Note!

If you have the `qrt.datatype` (v 39.1) installed on your system, then most Targa files will not be recognized by the `picture.datatype`. The description file for the `qrt.datatype` causes this problem. The only way to avoid this problem is to remove the `qrt` description from the `DEVS:DataTypes` directory.

BTW. The `qrt` description causes problems for more datatypes, like the `binary.datatype`.