xpkGZIP

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REVISION HISTORY

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xpkGZIP

1.1 xpkGZIP version 1.0 (ZLIB version 0.93)

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1.2 License

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1.3 Requirements

To use xpkGZIP you must have installed xpkmaster.library, release 2 or better. After installation, the library will be immediately usable.

1.4   Installation

To install the xpkGZIP compression library, simply click on the icon "Install"; the program "Installer" (not distributed in this archive) must be in your path, however.

If you are missing the Installer, or for some reasons you wish to install manually the library, follows these simple steps:

1) Choose the version most suitable to your computer ("xpkGZIP000.library" if you have a 68000 or 68010 processor, "xpkGZIP020.library" if you have a 68020 or greater processor);

2) Copy it to your drawer "LIBS:compressors", under the name "xpkGZIP.library".

1.5   Usage

The library allows you to select one out of nine compression modes. For those of you who use "gzip", these modes map exactly to its "-1" ... "-9" switches, according to the following table:

Mode: Speed gzip switch

00-19 laziest -1

20-29 lazier -2

30-39 lazy -3

40-49 calm -4

50-59 average -5

60-69 willing (default) -6 (default)

70-79 greedy -7

80-89 greedier -8

90-100 greediest -9

All the modes - even the lazier ones - consume a discrete amount of time for doing their job; using faster libraries (like xpkRAKE) instead is recommended.

The xpkGZIP library offers a valid alternative to xpkSHRI in those cases where you need an impressive compression without sacrificing too much speed for it, expecially in decompression.

1.6   Bugs and limitations

No known bugs at the time of this writing.

The speed and compression ratio reported by the library are fake (though reasonable), and not effectively computed; this because I have access neither to an A3000, nor to the AmigaVision executable.

Hint: make the tests, send me the results, and I'll release an update with the correct timings...

1.7   History

21.08.95: Version 1.0 (ZLIB version 0.93)

First public release.

1.8   Contacting the author

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1.9   Acknowledgements

This version of xpkGZIP is based on ZLIB version 0.93 (working beta version) by Jean-loup Gailly and Mark Adler.

For more informations about the data format used by the ZLIB library refer to the files zlib-3.1.doc, deflate-1.1.doc and gzip-4.1.doc, available in ftp.uu.net:/pub/archiving/zip/doc.