

identify.library

A library that converts cryptical IDs to a human-readable form
Version 3.0, 24 July 1996

Richard Körber

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Please read the Copyright chapter!

1 Introduction

The `identify.library` has a rather long history.

It all began when I got mad about all the System info programs only showing the expansion boards as a number. So I wrote `expname.library`, which may already be known to you.

Later, `expname` could also identify the system's parameters (even if it was wrong sometimes ;)). I still have new ideas for this library. The only trouble is that the name does not fit any more.

Well, now you have the second generation of the `expname.library`, called `identify.library`. It has been completely rewritten and expanded. The conceptional flaws of the `expname.library` has been removed, and a lot of newbies have been added.

The library has currently these features:

- Converting manufacturer and product id into manufacturer name, product name, and product class.
- Converting the cryptical Amiga Guru codes into readable descriptions.
- Analyzing the system's configuration (system type, processor, memory, graphics and so on...).

Even if the library appears to be quite ready — it is still far away!

I need your help! Please send manufacturer and product names and IDs, your system's configuration, suggestions, bug reports and so on; simply all you want to see implemented in the library.

2 Copyright

Please read this part carefully.

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DISCLAIMER

By using this product, you accept the FULL responsibility for any damage or loss that might occur through its use or the inability to use it. The developer of the software can NOT be held responsible.

CONTENTS OF THE PACKAGE

The Identify package is *only* complete if these files are present:

```
Identify/catalogs/deutsch/Identify.catalog
Identify/catalogs/Identify.cd
Identify/identify.doc
Identify/identify.doc.info
Identify/Identify-D.dvi
Identify/Identify-D.dvi.info
Identify/Identify-D.guide
Identify/Identify-D.guide.info
Identify/Identify-E.dvi
Identify/Identify-E.dvi.info
Identify/Identify-E.guide
Identify/Identify-E.guide.info
Identify/include/identify_lib.i
Identify/include/fd/identify_lib.fd
Identify/include/inline/identify.h
Identify/include/libraries/identify.h
Identify/include/libraries/identify.i
Identify/include/pragmas/identify_pragmas.h
Identify/include/proto/identify_protos.h
Identify/libs/expname.library
Identify/libs/identify.library
Identify/Guru
Identify/ListExp
Identify.info
FILE_ID.DIZ
```

TRADEMARKS

The copyright and trademarks of all manufacturers and products mentioned are held by their owners.

If you do not agree with these copyright notes, you have to delete the Identify packet and all related files immediately!

3 My Address

Please send all kind of bug-reports, board descriptions, missing graphic OS, keyfiles, flames and so on to one of the following e-mail addresses:

INTERNET

I'm reachable trough Internet via these E-Mail addresses:

rkoerber@tfh.dssd.sub.org
 shred@eratosth.dssd.sub.org
 a2h4ko@bg.bib.de (until September 1996 only)

You can also visit my home page (until September 1996 only). There you'll find the latest version of all my software.

<http://www.bg.bib.de/~a2h4ko>

SNAIL MAIL

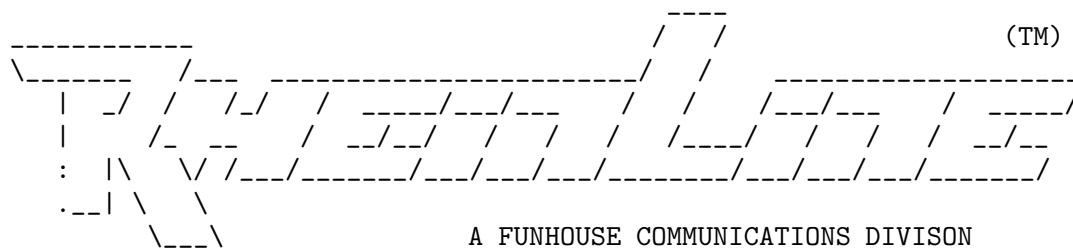
You can send me a snail mail letter, too. My address is:

Richard Körber
 Hornstraße 20
 51465 Bergisch Gladbach
 Germany

Please enclose a "1 DM" stamp if you live in Germany and want to get a reply.

SUPPORT-MAILBOX

You can download the latest version from my support BBS:



Port 01: 02204 - 61630 19.200	Port 02: 02204 / 61499 19.200
Port 03: 02204 - 23856 28.800	Port 04: 02204 / 61032 28.800
Port 05: 02204 - 61033 28.800	Port 06: 02204 / 61034 14.400
Port 07: 02204 - 61035 16.800	Port 08: 02204 / POINT 14.400
Port 09: 02204 - 962121 64.000	Port 10: 02204 / 962122 64.000

4 ListExp

ListExp is a small tool that was already included in the `expname.library` package.

It describes the hardware components of the system. At first, it will write some hardware parameters (like CPU, Memory). After that, all expansion boards will be listed up (hopefully by name).

By the option `FULL`, all currently used commodities are listed up, too. The output is then useable for bug reports and similar.

A further option allows to get the manufacturer name, product name and class from manufacturer ID and product ID. Use the options `MANUFID` and `PRODID` to do so.

Example:

```
> ListExp MANUFID=514 PRODID=9
-- ListExp V3.0 -- by Richard Koerber

Manufacturer: Commodore West Chester
Product:      A2060
Class:        ArcNet
```

If some entries in the expansion list begin with a ‘#’ instead of a name, you should send a copy of the ListExp output and the description of the missing board (manufacturer name, product name, product class) to me. :-)

It is also not possible to check out all combinations of Amiga expansions. If your hardware is not properly recognized, please write me.

Please note: Some manufacturers, especially GVP and Phase 5, assigned the same ID to different boards. `identify.library` is prepared and tries to differ these boards, anyhow it can't in any case decide right.

5 Guru

Guru translates the cryptical alert code into a human-readable form.

The only parameter is the alert code (all eight digits without any symbols before or behind).
An example:

```
> guru 81000005
-- Guru V1.0 -- by Richard Koerber

Type:          Deadend
Subsystem:     exec.library
General:       General fault
Specified:     Corrupt memory list detected in FreeMem
```

Please understand the result like that:

- Type** What kind of alert is it? It may be a deadend alert, or a recovery alert.
- Subsystem** Which system caused the alert?
- General** To what general class does this alert belong? In this case, it is a general fault which must be specified later.
- Specified** What was the cause? This example shows that the memory list has been corrupted by a bad-written program.

Appendix A Known Bugs

Identify is written on a Amiga 4000/o3o/882/MMU, Kick 3.0, 14 MB RAM, FastLane 1GB HD, MaestroPro, Toccata, BSC MultiFaceII, CyberVision 4MB.

THESE BUGS ARE CURRENTLY KNOWN:

- ‘Phase 5’ and ‘GVP’ have sometimes assigned one ID to two or more boards. In this case, `identify.library` may return a name that does not fit to the hardware.
- Currently, an 68030 will only be recognized with MMU.
- I couldn’t test the Amiga analysis completely, because of missing Amiga. If your Amiga model is not properly recognized, please send me a copy of your ListExp output.

Appendix B History

V 3.0

- Bases on the `exptime.library`, but completely rewritten.
- Now convert alert codes, too.
- Wrote GURU.

Appendix C Credits

I want to thank especially these fellows:

Sven Arke for his support with his BBS.

Andreas Gelhausen
for Scout, his board list and his ideas.

Thomas Kessler
for ShowConfigEnh and his many ideas.

Geert Uytterhoeven
for his board list and the description of the GVP codes.

Frank Wille
for his great PhxAss assembler, and his great hints!

Kössi for his many boards, his help for all my TexInfo problems, and his debug skills.

...and for their contributions (sorted alphabetically):

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```

//
\\ //  -- Amiga - The Computer for Creative Mind --
\X/

```

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