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Please read the Copyright chapter!

### 1 Copyright

Please read the following parts carefully.

If you do not agree to these Copyright notes, you must delete this archive and all related files.

#### **COPYRIGHT**

*NOTE*: You accept the following terms by starting the software, even for a test drive only.

Identify is © Copyright 1996-99 by Richard Körber. All rights reserved.

You only have the right to use the software, but no rights on the software itself. Disassembling, resourcing and all other ways of reverse engineering is forbidden. This means the expansion database in particular!

#### **FREEWARE**

Identify is FreeWare. You are allowed to use the packet without paying a fee or similar to the author.

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You are allowed to compress the packet using a customary compression software (as lha, lzh, lzx, dms). You must not compress single files of the packet (e.g. PowerPacker or Imploder).

#### PARTIAL COPYING

You are allowed to add the files identify.library, rexxidentify.library and InstallIfy to your own program packet, without the need to add the whole Identify packet. In this case, you *must* mention in the documentation that you are using Identify by Richard Körber, and where a full Identify distribution is available.

#### DISTRIBUTION

You must not exceed an usual price on the market for your working and material. This means a maximum of 5 DM (or the equivalent amount in other currencies) for disks and 35 DM for CD-ROMs containing a PD software collection.

I explicitly permit the distribution via AmiNet, Meeting Pearls, Fred Fish and other well-known PD series.

#### LIABILITY

You are using the program as it is, with all flaws, and on your own risk! I grant no warranty for the software meeting a special purpose. This software may cause financial damage or harm people.

#### **LIMITATIONS**

You are not allowed to use this software and its results

- $\bullet\,$  for fascism or military purposes
- if you do not agree to the copyright note

In this case you must delete the software and all related and generated files immediately!

#### TRADEMARKS

All Copyrights and Trademarks are held by their owners.

## 2 My Address

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

#### INTERNET

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

```
rkoerber@gmx.de
richard.koerber@koeln.netsurf.de
```

Check my home page for the latest release and other programs. The URL is:

```
http://shredzone.home.pages.de
http://koeln.netsurf.de/~richard.koerber/
```

#### **SNAIL MAIL**

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

```
Richard Körber
Überm Rost 13
51465 Bergisch Gladbach
Germany
```

Please enclose a "1,10 DM" stamp if you live in Germany and want to get a reply.

#### MAILING LIST

The list has been shut down due to lack of interest.

#### SUPPORT BBS

The Eratosthenes will go offline at the end of 1999. I won't have another support BBS.

### 3 ARexx

Since V6.0 an ARexx function library is available. You can now also use Identify in your ARexx scripts.

To do so, you just have to install the rexxidentify.library into libs:. The library is included into ARexx by using a CALL AddLib("/libs/rexxidentify.library",0,-30,0) command.

These functions are available since Release 1:

#### ID\_Release()

Returns the release- and version numbers of the rexxidentify.library. The format is: '<release> <version>.<revision>(<date>)' (Example: '1 1.0(23.4.97)'). You should use the <release> part to check out if a function or option is available (e.g. Word(ID\_Release(),1)). The result can also be easily split up into the single contents by using the PARSE command.

#### ID\_NumBoards()

Returns the number of expansion boards added to the system. You can easily construct a loop for ID\_Expansion, using this function.

#### ID\_Expansion(<board>,<result code>)

Returns the appropriate result to the board number <board> (0 to ID\_NumBoards()-1) and the <result code>. Result codes are:

MANUF Manufacturer name

PROD Product name

CLASS Product class (localized)

ADDRESS Memory address of the expansion (hexadecimal)

SIZE Reserved amount of memory for the expansion board (decimal, KBytes)

SHUTUP Has the expansion been shut up? (0:No, 1:Yes)

SECONDARY

(since Release 4) Checks if the entry is primary (Result: Primary) or secondary (Result: Secondary).

CLASSID (since Release 5) Returns the Class ID of the expansion board, see include files (decimal).

#### ID\_Function(<library>,<offset>)

Returns the name of the library>'s function and the offset <offset>. See the Shell program Function.

#### ID\_Alert(<code>,<result code>)

Returns the appropriate result to the alert code <code> (hexadecimal string) and the <result code>. Result codes are:

DEAD Deadend or Recovery?

SUBSYS System causing the alert

GENERAL General alert class

SPEC Specific alert class

See the Shell program Guru.

#### ID\_Hardware(<result code>,{<option>,...})

Returns a description of the hardware. <result code> are:

SYSTEM Used Amiga model (e.g. 'Amiga 4000')

CPU Used CPU

FPU Used FPU, if available

MMU Used MMU, if available

OSVER AmigaOS ROM version

EXECVER exec.library version

WBVER Workbench version, if available

ROMSIZE Size of the AmigaOS ROM.

CHIPSET Available chip set (e.g. 'AGA')

GFXSYS Used graphics system (e.g. 'CyberGraphX')

CHIPRAM Total size of Chip RAM (includes virtual RAM)

FASTRAM Total size of Fast RAM (includes virtual RAM)

RAM Total size of total RAM (includes virtual RAM)

#### SETPATCHVER

SetPatch version, if available.

AUDIOSYS Used audio system (e.g. 'AHI')

OSNR Used OS version (e.g. '3.5')

#### VMMCHIPRAM

Size of virtual Chip RAM

#### VMMFASTRAM

Size of virtual Fast RAM

VMMRAM Size of virtual RAM

PLNCHIPRAM

Size of physical Chip RAM

PLNFASTRAM

Size of physical Fast RAM

PLNRAM Size of physical RAM

VBR Address of the processor vectors

LASTALERT

Last system alert

VBLANKFREQ

VBlank interrupt frequency

**POWERFREQ** 

Power frequency

ECLOCK Special system clock's frequency

SLOWRAM Size of the A500 and A2000's special Fast RAM.

GARY Gary version

RAMSEY Ramsey version

BATTCLOCK

Battery backed up clock available?

CHUNKYPLANAR

Does a chunky planar hardware exist?

POWERPC Is a PowerPC available?

PPCCLOCK The clock of the PowerPC, in MHz units.

CPUREV (since Release 5) Returns the revision of the built-in CPU, if available.

CPUCLOCK (since Release 5) Returns the CPU clock, in MHz units.

FPUCLOCK (since Release 5) Returns the FPU clock, if available, in MHz units.

RAMACCESS

(since Release 6) Returns the access time of the motherboard RAM (unit ns), if available.

RAMWIDTH (since Release 6) Returns the width of the motherboard RAM (bit), if available.

RAMCAS (since Release 6) Returns the CAS mode of the motherboard RAM, if available.

#### RAMBANDWIDTH

(since Release 6) Returns the motherboard RAM bandwidth, if available.

TCPIP (since Release 7) Returns the used TCP/IP stack, if started.

PPCOS (since Release 7) Returns the PowerPC OS (PowerUp, WarpOS), if avail-

able.

AGNUS (since Release 7) Returns the Agnus chip revision, if available.

AGNUSMODE

(since Release 7) Returns the Agnus chip mode (PAL or NTSC).

DENISE (since Release 8) Returns the Denise chip version, if available.

DENTSEREV

(since Release 8) Returns the Denise chip revision, if available.

These <options> are allowed:

EMPTYNA Returns an empty string if the item is not available. Otherwise, a localized 'not available' kind of string is returned.

NOLOCALE The return string is always in English, independent of the current language.

See also the AutoDocs of IdHardware().

These functions are available since Release 2:

#### ID\_ExpName(<manufid>,,<result code>)

Returns the appropriate result to the manufacturer <manufid> (0 to 65535), product foid> (0 to 255) and the <result code>. Note that Identify cannot differ between expansions with the same product ID in this access mode. Result codes are:

MANUF Manufacturer name

PROD Product name

CLASS Product class (localized)

These functions are available since Release 4:

#### ID\_LockCX()

Fetches a copy of all currently present commodities and returns a slot for it. You must always provide this slot to the other functions.

#### ID\_CountCX(<slot>)

Results is the number of commodities found.

#### ID\_GetCX(<slot>,<nr>,<result code>)

Returns the appropriate result to the commodity <nr> of the slot <slot>. Result codes are:

NAME Name of the commodity

TITLE Title of the commodity

DESC A short description

GUI Result is '1' if the commodity provides a GUI, '0' otherwise.

ACTIVE Result is '1' if the commodity is active, '0' otherwise.

#### ID\_UnlockCX(<slot>)

Frees the slot. You must not use it after that!

These functions are available since Release 6:

#### ID\_Update()

Actualizes the hardware information. Please use it wisely (see AutoDocs).

Some example programs you'll find in the arexx drawer.

## 4 InstallIfy

Since V9.0, a new tool has been added.

InstallIfy allows you to import identify's hardware information into Installer scripts.

So you can find out in an Installer script, if e.g. a PowerPC is available, what PowerPC OS is used, or if sufficient processor power is available.

InstallIfy should be invoked with the installer's RUN function. The name for the desired hard-ware information is provided, and the appropriate numerical result is returned as DOS return code. For example:

These options are available:

FIELD Here, the name of the desired hardware field is passed. This are the same as for the ARexx ID\_Hardware command. See the include files to find out how the return code has to be interpreted.

UPDATE If this option is set, the identify.library hardware information cache will be flushed.

Use this option wisely, see ListExp.

HELP Shows a short help page and exits.

There is an example Installer script in the developer packet. Just have a look at it and see how InstallIfy is used.

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$\mathbf{A}$	H
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$\mathbf{C}$	Mailing list
Copyright	widning list
Copyright note	R
${f E}$	rexxidentify.library
E-Mail	S
F	
_	Snail Mail
FreeWare	Support BBS

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