Zapdisk

COLLABORATORS

	TITLE : Zapdisk		
ACTION	*NAME*	*DATE*	*SIGNATURE*
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Zapdisk

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        David Gerber
                                    presents

            ZAPDISK Version 1.0 (26-5-95)
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1.2   Introducing ZAPDISK

```
            Sometimes  you  need  to  erase the whole content of a disk.  To ←
                do
that,  you  can  use  a  simple  "delete #?" but it will NOT erase the data
completely.  In fact, AmigaDos will hide the files you deleted but they are
physically  presents.  If  you  want  to try,
            here
             is an
example.
```

```
  Of  course,  you can format the whole disk to erase the datas.  But
this  methode  is  very  slow.   And  doing a quick format isn't the answer
because it will only format the boot block and the root block.  The rest of
the disk will be preserved.
```

What you need is a fast, efficient and smart program to do this job
for you. Here it is!!! You've got the best disk eraser:

                            ZAPDISK 1.0

  Here are the advantages of ZAPDISK:

        - Complete erasing: A disk who is erased by ZAPDISK will never
        give back the datas it contained before.
        It is completely impossible to recover the
                                content of a disk, even with a very good
        disk salvage program.

        - Optimized speed: ZAPDISK is deadly fast!!! It erases a disk
        in less than 2 seconds!!!

  - Multi format: ZAPDISK can erase all the disk formats.
                             Here is a list of the formats tested:

                                -
              PC
                        :-(

        -
              Atari
                 :-/

        -
              Macintosh
                :-|

        -
              MSX
                  :-}

        -
              Amiga
                 :-)

                          - In fact, all that seems to be a disk
          is erased.

  - Easy to use: Like a CLI command.

  - Completely free: You've got it without paying anything!!!

                    Now a bit of technique

ZAPDISK is 100% coded in assembler. It is pure (can be made resident). It
uses a highly optimized algorithm in order to manage the drive with the

best efficiency. It accesses directly to the hardware and it uses his own
error messages. During the erasing it cut off the interrupts achieving the
greatest possible speed. It uses the DMA disk, MFM encoding, no
precompensation and a clock speed of 2 microseconds/bit.

                          ZAPDISK under testing

ZAPDISK has been successfully tested with the following machines:

  – Amiga 500 (Kick 1.2, 512 kb CHIP RAM, 512 kb SLOW RAM)

  – Amiga 500 (Kick 1.3, 512 kb CHIP RAM, 512 kb SLOW RAM)

  – Amiga CD^3^{2} + SX–1 (Kick 3.1, 2 Mo CHIP RAM, 4 Mo FAST RAM)

1.3 Example

  Here is a little example to show how the command "delete" work.

  – put some files on a disk

  – delete them (using "delete #?")

  – now use diskdoctor (type "diskdoctor dfn:" n=your drive number)

  – now list the files on the disk

  In the furure, don't use "delete" if the files are confidential.

1.4 Installing ZAPDISK

Installing ZAPDISK is to simple (in the furure I will implement *.ini files
for the PC users ;–) But remember you are not on a silly PC. So you only
have to copy the file ZAPDISK to your C directory.

1.5 Using ZAPDISK

              It's very easy to use ZAPDISK. It works like a CLI command. If ←↩
                  you need
some help just type "ZAPDISK" or "ZAPDISK ?".

Syntax: ZAPDISK [DF0:] [DF1:] [DF2:] [DF3:]

Example: ZAPDISK DF0:
   ZAPDISK DF1:
   ZAPDISK DF0: DF1: DF2:

Of course, you can specify more than one drive.

CAUTION: You can use ZAPDISK only with the CLI. If you try to
    attach an icon an run it in the Workbench, your Amiga will
    guru.

    After a disk is erased by ZAPDISK, it will become a
                NDOS
                    disk. So you can't use it to store files without
    formatting it before.

    If you try to access the drive immediately after having
    erased it, AmigaDOS will think that the drive is still
    a DOS disk. So you have to remove it from the drive and
    insert it again if you want AmigaDOS to recognise it like
    a NDOS disk. I didn't implement a diskchange
    instruction, because it will take time for nothing (why
    do you want to access a disk completely blank?)

    When ZAPDISK is erasing a disk, it cut off all the
    interrupts in order to achieve the best efficiency. All
    the multitasking is stopped. The mouse, the keyboard
    and the windows are freezed. Don't worry. After completion
    all become normal.

1.6 Distribution

ZAPDISK can be freely distributed under the following conditions:

  – ZAPDISK must be kept with its documentation Zapdisk.guide

  – No profit must be made with this program. The price must not
    exceed the cost of the media storage.

  – ZAPDISK don't have to be modified (even to fix a bug). If you
    want to modify anything you have to contact me before.

If you decide to distribute ZAPDISK in any PD-DISK or CD, I'll be grateful
if you contact me (a simple e-mail).

   I spend many weeks to give you this program. It was a hard work.
I tested all this program and I didn't find any bug. It should work OK.
But in the case if you lose data or if your computer blow up, I can't be
made responsible in any way.   You use this program at your own risk.

1.7 David Gerber

                    ZAPDISK is a program I developed alone. If you like it, send ←
                    me
an e-mail with your comments and ideas for a future version. You can also

send me postcards, programs, money (doing that, you will get the future
programs on a disk), CD's, girls (90-60-90), etc... If you have a bug
report or if you want more programs or MODs, contact me.

There are some programs I developped:

  – HardWare hack CD32_PSU (how to use a PC PSU on a CD^3$^{2})
    can be found on aminet: hard/misc

  – CodeFile (file encoder, easy to use)

  – CloseWorkBench (a very simple program who give you 40 kb more
    CHIP RAM. I've done it for ProTracker).

  – Very goods HARDCORE songs (Protracker)

  – And much more...

You can contact me with the following methods:

  1.
              E-Mail
                2.
              Web Server
                3.
              Snail Mail

1.8   David Gerber's life

  I'm born in Switzerland the 6 of april 1978. I studied at college
but I decided to change and now I'm studing engineering. I started
computing with an old MSX-2 (it was a good machine). It learned me the
BASIC. After that, I bought an Amiga 500 and I found it was an incredible
computer. I bought another Amiga 500, and now, I've got a brand new CD32
with a SX-1. I hate PCs (Amiga is 10 years beyond PCs).
  I like swimming, diving, listening HARDCORE (with full volume), the
COCA-COLA, the pretty girls with blond hair and of course the Amiga.
  If you want to know me more, e-mail me.

  Note: if you want to contact me and you're not very good speaking
        english (like me) you can also write in french or spanish.

1.9   Greetings

Greetings to:

  – DJ Lang for improving my sound system

  – Juan for giving me an Amiga. What are you doing
    with your fucking PC? It's only a 486? You need to buy a P7 and

Windoze 96 plus ten adds-on and a hundred of bugs!

- BAP a loyal Amiga user. Tu t'fais pas trop chier à la banque?

- Axl for his Action Replay MKIII (a very good cartridge)

- Coca-Cola

- ID&T

- Motorola

- Commodore (Thank you for supporting the Amiga. It's sade that
  you have to produce fucking PC's now)

- Escom for supporting the Amiga. All the Amiga community is
  with you.

Fuck's to:

- Bill Gates for producing the stupide Windoze.

- Intel for stupide CPU's with poor efficiency.

- THI for beeing stupid.

- Stupid people how think that Mhz is all.

1.10 PC

PC means poor computer.   It's a silly machine whose users think that a
black screen with a "C:\" is multimedia.

ZAPDISK has been tested with the following formats:

   - Floppy Disk 360 Kb
   - Floppy Disk 720 Kb
   - Floppy Disk 1.44 Mb
   - Floppy Disk 2.88 Mb

ZAPDISK has been tested with the following file systems.:

   - MS DOS (File Allocation Table)
   - PC DOS (File Allocation Table)
   - DR DOS (File Allocation Table)
   - OS/2
   - OS/2 Warp
   - Windoze NT
   - And some others shit fillings systems

1.11 Atari

Atari is good computer but it doesn't exist anymore.

   ZAPDISK erase all the formats Atari 3½.

1.12   MacIntosh

The Macintosh is a good computer but I don't know it very much.

   ZAPDISK has been tested with the following formats:

   – Floppy Disk 720 Kb
   – Floppy Disk 1.44 Mb

1.13   MSX

The MSX is a very good (and old) computer. It was powerful for a 8-bit only.

   ZAPDISK has been tested with the following formats:

   – Floppy Disk 180 Kb (Wow!!!)
   – Floppy Disk 360 Kb

1.14   Amiga

                  Amiga is the best computer ever

   ZAPDISK has been tested with the following formats:

   – Floppy Disk 880 Kb
   – Floppy Disk 1.76 Mb
   – Floppy Disk 980 Kb (Datel drive)
   – Floppy Disk 1960 Kb (Datel drive)
   – Floppy Disk 3.5 Mb (Power Computing drive)

   ZAPDISK has been tested with the following file systems:

   –

            DiskSpare
               –
            OFS
                –
            FFS
                –
            DC-FS
                –
            PFS
                – and all the filling systems working with the ROMS
      1.0, 1.1, 1.2, 1.3, 2.04, 2.05, 3.0, 3.1 et +

1.15 DiskSpare

DiskSpare is a device for improving disk capacity. Works with OS 2.04+

1.16 OFS

OFS means Original Filling System. This format was the first on the Amiga.
It is slow but it works on ALL the Amigas.

1.17 FFS

FFS means Fast Filling System. Developed by Commodore as a replacement of
the OFS, it is faster but it needs the ROMS 2.04 to work. But I found the
methode for using it on Kickstart 1.2. Contact-me if you want to know what
to do.

1.18 DC-FS

DC-FS means Directory Cache Filling System. It is a filling system very
good for Directory Scan but slow for deleting files. Works on OS 3.0+

1.19 PFS

PFS means Professional File System. It's a device used to access disks
faster than OFS. Needs ROMS 2.04+

1.20 NDOS

A NDOS (No Dos) disk is a disk who is not accepted by AmigaDOS.

1.21 E-Mail

The best way to contact me is with E-Mail. Here it is:

                         gerber@eig.unige.ch

1.22   Snail Mail

If you prefere, you can contact me at this address:

                        David Gerber
                 15 chemin de la Mairie
                      1223 Cologny
                         Genève
                         Suisse

1.23   World Wide Web Server

You can contact me on Internet in my own page. To do that, you have to
type this as a URL:

                http://eig.unige.ch/~GERBER/welcome.html

Note that this page is under construction. So wait until november 95.
You'll be able to take files, etc...

1.24   help

Who did press the "HELP"? Using AmigaGuide documentation is very easy so
you don't need help!