WorseFormat

Szymon Pura

COLLABORATORS			
	TITLE : WorseFormat		
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WRITTEN BY	Szymon Pura	July 1, 2022	

REVISION HISTORY			
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EMAILWARE

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1.2   disclaimer

WorseFormat is EMAILWARE. It may be freely distributed as long as no

more than a nominal fee is charged to cover time and copying costs.

All files must remain it their orignal, unmodified forms.

I disclaim any and all responsibility for any problems that use of

this program may cause.

If you use this program often, please send me an e-mail!

ReqTools is Copyright (C) Nico François

Feel free to send your suggestions and bug reports to:

Szymon Pura

szymp@friko.onet.pl

Witosa 8/57

42-224 Czestochowa

Poland

1.3   system requirements

- Kickstart V37+ (release 2.04+)

- ReqTools package V38+ (by Nico François)

Kickstart V39+ (release 3.0+) recommended.

1.4   installation

Just drag the WorseFormat icon into the selected drawer and the libs icon
into your system partition.

1.5   introduction

Have you ever seen programs like BadFormat ?

It was able to format partially damaged disks by creating a special

'bad file', which contained all damaged sectors. This way such disk is

still usable, but of course its capacity is smaller.

WorseFormat has been designed to replace BadFormat. It's features include:

- full intuition-based Graphical User Interface

- format for OFS, FFS, international OFS & international FFS

- advanced verify routine

- supports almost all standard DOS drives

- allows quick-format

- allows 'normal' formatting for any filesystem

- range-selecting

1.6   using

How to format the damaged disk

How to install a bootblock on a disk

1. Main window

2. FileSystem window

3. Install Bootblock window

1.7   formatting

1. Select drive from the Drives listview

2. Select START gadget

Format-progress window will appear. Press windowclose gadget to
abort operation.

3. When finished, the FileSystem window will appear.

Edit the disk label, set filesystem and bootblock to install.

Then press OK to initialize the disk.

1.8   installingbootblock

1. Select drive from the Drives listview

2. Select Install Bootblock from the Advanced options menu.

the @"{Bootblock-install window" link "InstallBootblockWindow"} will appear

3. Set the FileSystem and/or BootBlock to install

4. Select Install to perform the operation

1.9   mainwindow

Main window:

This window is used to select the device to formatting/bootblock

installing.

1. Gadgets

2. Menus

1.10   mwingadgets

1. ABOUT - displays some info about the program

2. SLEEP - puts WorseFormat to sleep. See Sleep method

3. START - starts formatting. See Formatting .

4. QUIT - quits WorseFormat

5. DRIVES

6. VERIFY - specifies how many times every track will be verified.

See Formatting for more info.

7. QUICK - turns on the Quick mode. See Formatting .

8. RANGES - specify format and verify ranges in cylinders

1.11   }

The listview contains names of all drives suitable for

formatting/installing. To refresh it press the REFRESH gadget.

After selecting a drive, the info-gadgets will display some basic

information on the selected drive. Also the range gadgets will be set

to correct values.

1.12   mwinmenus

- Project menu

- About - displays some information about WorseFormat

- Go To Sleep - puts WorseFormat to sleep. See Sleep method

- Quit - quits WorseFormat

- Advanced options menu

- Report bad tracks

- Create bad file

- Inhibit

- Motor control

- Buffers in CHIP mem

- Verify method

- Install bootblock

- Settings menu

- Beep on errors - will cause the screen to beep when an error occurs

- Beep after formatting - will cause the screen to beep when

the operation is completed.

- Sleep method

1.13   mwinmenusreportbadtracks

When selected, track numbers, error values & strings will be

displayed in a separate window during formatting.

1.14   mwinmenuscreatebadfile

When selected, the badfile will not be created, but the bad blocks

will be mentioned on the disk map. It saves some disk capacity, but

it's quite unstable.

1.15   mwinmenusinhibit

When selected, the drive will get inhibited before formatting starts. This option prevents disk-validating.

1.16   mwinmenusmotorcontrol

When selected, WorseFormat will control the motor of the drive via

TD_MOTOR. It may speed up the operation, but I've heard about some

drives that don't like it.

1.17   mwinmenusbuffersinchip

When selected, all buffers will be located in CHIP memory. It slows
down the operation, but some devices require it.

1.18   mwinmenusverifymethod

Allows selecting of verification method. Possibilities are: simple
read or read & writes. The second one is more reliable, but also a bit
slower.

1.19   mwinmenussleepmethod

- Use wb menu item
If workbench is opened, then a new menu item will be added to Tools
menu. Selecting that tool will awake WoseFormat.
- Use sleep window
A small window will be opened. Clicking with right mouse button
while it's active will awake WorseFormat.

1.20   filesystemwindow

FileSystem window:
It's used to set attributes of the newly formatted disk.
Explanation of gadgets:
1. BAD BLOCKS - amount of the bad blocks found
2. DISK LABEL - you can enter the disk label here
3. BAD FILE - filename of the badfile
4. FILE SYSTEM - type of filesystem to install
5. INSTALL - Bootblock type to install
6. FILESYSTEM FORMAT - if selected, default filesystem for selected
device will be used. Example: if you format PC0:, selecting this
option will cause to use the CrossDosFileSystem instead of OFS/FFS.
7. OK - install the disk
8. CANCEL - cancel formatting

1.21   installbootblockwindow

Install Bootblock window:

It's used to set the type of bootblock to install.

Explanation of gadgets:

1. DOS TYPE - it shows the type of filesystem currently installed

and DosType value (in hex)

2. FILE SYSTEM - selects the type of filesystem to install

3. BOOT BLOCK - selects the type of bootblock to install

4. INSTALL - perform the installation

5. CANCEL - cancel the installation (no changes will be made to disk)

1.22   bootblocktypes

- Standard Boot - just a standard 1.0-1.3 bootblock

- No Boot - prevents booting

- SilentStart - standard 2.0 silent boot

- Virus Check - a simple virus killer

- Virus Check SS - virus killer with SilentStart feature

1.23   history

Version 1.0 13 March 1996

- initial version

Version 1.1 18 March 1996

- Advanced options menu extended

- some changes in GUI

- dos.library functions used instead of packet I/O

Version 1.2 26 March 1996

- format and verify range selection supported

- another changes in GUI

Version 1.3 9 April 1996

- Some bugs fixed:

o some CHIP memory loss

o BitMapExtension block linking

o IDCMP_INACTIVEWINDOW handling fixed

- verify routine improved

Version 1.4 18 April 1996

- FileSystem format option added

Version 1.6 17 May 1996

- detects & utilizes Kickstart 3.0+

Version 1.7 6 July 1996

- timer added

- `CHIP buffer' option added

Version 1.8

- an ancient bug in formatting routine fixed

- better menu layout

Versions 1.81/1.82

(this guidefile is not really updated yet)

- some changes in GUI

- a (harmless) bug fixed in IDCMP handling (another one!)

- some more tiny optimizations in formatting routine

- BitMapExtension creating revised, this can improve speed of root directory reading