

HDOffGUI_39

COLLABORATORS

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WRITTEN BY		August 5, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

HDOffGUI_39

1.1 HDOffGUI_39.guide

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first public release      |__ /

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Mail-Ware. See

Copying
, for details.

Copying and Licence
Your rights and freedoms.

Overview
What this is all about.

Requirements
PowerPC 604e/225, 288 MB RAM.

Installation
How to get it working.

Using
What's this button for? BLAM

Restrictions and Bugs
HDOffGUI cannot make coffee.

Author
Where and how to send mail & money.

Credits and Notes
Anything else I want to say.

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Only cross-references?

1.2 HDOffGUI_39.guide/Copying

Copying

HDOffGUI 1.4 is copyrighted by Matthias Andree.

Permission to redistribute it is granted if

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The package MUST NOT be included in cover disks or in disk magazines without prior written consent of the author.

Legal status: Mail-Ware. This means: Although I do not request any monetary charge of you, I will gladly receive donations such as money, registered versions of a shareware tool you have written, postcards.

You must send me an E-Mail, picture postcard or letter if you use HDOffGUI regularly, please state your likes and dislikes and your configuration if you want.

----- Footnotes -----

- (1) this applies also to the file_id.diz file!

1.3 HDOffGUI_39.guide/Overview

Overview

HDOffGUI is a graphical user interface to HDOff 1.37 or newer. HDOff 1.37 is a hard disk power/noise saver for hard disks connected to the internal A600/A1200/A4000 IDE host. HDOffGUI is written by Gideon Zenz.

HDOffGUI uses triton 1.4 by Stefan Zeiger.

HDOffGUI features:

- * Installs itself as Commodity, can be controlled by commodity exchange
- * Configuration via tool types and environmental variables
- * Can start HDOff asynchronously if it is not already active when HDOffGUI is started
- * Documentation in .DVI and AmigaGuide format (the master document is written in Texinfo format and thus can easily be converted to these formats.)

1.4 HDOffGUI_39.guide/Requirements

Requirements

In order to be able to use HDOffGUI, you need:

- * Amiga 600HD/1200HD/4000(T) with at least one IDE hard drive connected to the internal IDE host
- * Kickstart/AmigaOS 2.04
- * Triton 1.4 by Stefan Zeiger (minimal version(1) is included)
- * HDOff 1.37 by Gideon Zenz (not included!)

You can obtain HDOff 1.37 from either:

- * Aminet: disk/misc/HDOff_1.37.lha
- * <http://ernie.mi.uni-koeln.de/~gzenz/hdoff.html>

----- Footnotes -----

(1) full version can be obtained from Aminet: util/libs/tril4usr.lha, a copy is on Aminet 8

1.5 HDOffGUI_39.guide/Installation

Installation

There is no Installer script. You do not really need one either, installation is quite easy from Workbench. To install HDOffGUI, follow these steps:

1. If you have PGP and MD5SUM: Check distribution integrity.
 - * Add my PGP key to your key ring by typing PGP -ka HDOffGUI_34.guide
 - * Check the signature of MD5.ASC by typing PGP MD5.ASC
 - * Check the files by typing MD5SUM -vc MD5
2. Install HDOff.
3. Install Triton. Double-click on the Triton drawer icon, then double-click the Install icon
4. Drag the HDOffGUI icon anywhere you want, maybe the WBStartup drawer of your boot partition if you want HDOffGUI to be activated on start-up of your computer. HDOffGUI will automatically start HDOff if it is not active, which means HDOff must reside in C: in order to be found.
5. Configure HDOffGUI. See Using , for details.

1.6 HDOffGUI_39.guide/Using

Configuring and Using HDOffGUI

Starting HDOffGUI

=====

HDOffGUI can be started both from WorkBench and from Shell. The way it reads its configuration depends on the way it is started, though.

HDOffGUI cannot be started twice. The first copy will pop up its window as soon as you started the second one. The second one leaves immediately.

Starting from Workbench

Double-click the HDOffGUI icon or put HDOffGUI along with its icon in the WBStartup drawer of your boot partition. The configuration is read from tool types.

Starting from Shell

You can just type HDOffGUI and add tool types as command line arguments. Preferably, you would type RUN <>NIL: HDOffGUI, eventually followed by tool types as options on the same line. The tool type options set in the icon are ignored, they must be specified on the command line.

Although the compiler(1) that I have used allows generation of self-detaching programs (these do not require writing RUN before their names), I have chosen NOT to do so, but instead I recommend starting HDOffGUI from WorkBench(2). You could place this line in your s:user-startup if you wanted. If you do so, you should not place HDOffGUI in WBStartup, as it would pop up its window.

Configuring

=====

HDOffGUI can be fully configured via tool types. In addition, the delay time before shutting down the drives can be configured by an environmental variable UNLESS any of TIMEMASTER and TIMESLAVE are set. See HDOFFGUIPREFS for details.

Nota bene: The tool types are only taken into regard if HDOffGUI is started from WorkBench! You need to specify the tool types as arguments if you start HDOffGUI from Shell.

To set Tooltypes, click on the icon and choose Information... from the Icons menu. You can "comment out" tool types you want to be ignored by enclosing them in parentheses, (and), example: (TIMESLAVE=10).

You must set at least the SINGLE variable. See below for details.

Configuration via tool types

Attention: the quote marks around this are not to be included in any option.

- CX_POPKEY specifies the hotkey that pops up the window if it's hidden. Defaults to CONTROL LALT H.
 - CX_POPUP specifies if you want the window shown yes or hidden no when HDOffGUI is started. Default: yes (shown).
 - CX_PRIORITY specifies in which order to start commodities. Valid values are -128 to 127, higher priority commodities are started earlier.
 - STOPDRIVES specifies the hotkey to stop both drives at once(3). Defaults to CONTROL RALT H.
 - STOPMASTER is basically the same as STOPDRIVES, except that it stops the master drive only (unit 0).
-

- STOPSLAVE is basically the same as STOPDRIVES, except that it stops the slave drive only (unit 1). This is ignored if SINGLE is set to yes.
- SINGLE specifies if you have one or two drives(4). Set to yes if you have one drive, set to no for two drives. See
 Bugs
 , for
 further information on this.
- TIMEMASTER specifies the time(5) in minutes that the master drive must be unused before it is switched to standby mode(6), set to 0 if you do not want the master drive to be shut down at all. If this tool type is specified, the environmental variable is completely ignored.
- TIMESLAVE is basically the same as TIMEMASTER, but applies to the slave drive. Ignored if SINGLE is yes.

TIMEMASTER and TIMESLAVE are only implemented, because Gideon demanded them. I prefer HDOFFGUI_PREFS as the time can be saved to this variable, but not to TIMEMASTER and TIMESLAVE.

Configuring via environmental variable

Nota bene: The environmental variable is ignored if TIMEMASTER or TIMESLAVE is specified. It is also ignored if HDOff is already running when HDOffGUI is started.

The environmental variable is called HDOFFGUI_PREFS and must contain two positive, integer numbers, separated by white space, they and have the same meaning as TIMEMASTER and TIMESLAVE (in that order).

Example: saying SETENV HDOFFGUI_PREFS 45 60 before starting HDOff and HDOffGUI would spin down the master drive after 45 minutes being unused, the slave drive after 60 minutes.

The time preferences are saved temporarily(7) -- in ENV: -- when you quit the GUI, you can save them permanently using Save preferences from the Project menu.

Using the GUI

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The GUI window can be (un)zipped by pressing DELETE or by pressing the ZIP gadget (second right in the title bar).

The GUI window can be hidden by Commodities Exchange, selecting Hide window from the Project menu, by pressing RCOMMAND H. It can be made appear again by Commodities Exchange or by the CX_POPKEY, if specified.

The standby buttons set the corresponding drive to standby mode immediately. They will spin up again automatically if accessed, even if HDOff is no longer active(8). The key you can press to take the same action is underlined.

The Time set sliders allow you to change the time the drives need to be unused before they are shut down. A count down is displayed in the Time left column. The key you can press to take the same action is the underlined letter from the Drive column. If the time is set to zero, HDOff will not shut down the drive at all unless you press the Standby button (or its corresponding key).

The other buttons are self-explanatory as are the menu options not explained here. See HDOFFGUI_PREFS, for more detailed information on the Save preferences menu item.

----- Footnotes -----

(1) SAS/C 6.56

(2) Starting a GUI from Shell is somewhat contradictory anyway.

(3) There is actually a short delay between shutting down the master and the slave drive, this is normal

(4) you can of course set this wrong and see what happens. But do not complain HDOffGUI does not react on Standby or does not show GUI elements for your slave drive :-)

(5) IBM says that one spin down/spin up cycle is approximately equivalent to 7 hours of use.

(6) The drive will automatically spin up again if accessed

(7) to the next reboot

(8) General comment: This is different from SCSI drives which can not automatically spin up again themselves.

1.7 HDOffGUI_39.guide/Bugs

Known Bugs, Restrictions and Incompabitilities

HDOffGUI has been developped and tested on an Amiga 4000 with CyberStorm 68060/50, 24 MB FastrAM, OS 3.0, Conner CFA340A, Western Digital Caviar AC31200F,

GCC 2.7.2(1), SAS/C 6.56, GoldEd 3.1, 4.0, 4.1 PRO, Triton 1.4, Triton 2.0 beta, CyberGuard, MungWall, TexInfo 3.6, PasTeX 1.4.

If you encounter any bugs or misspellings in this document, please contact the author, See

Author

.

Known Bugs

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- * If used together with HDOff 1.36 or earlier versions, these may crash. Use HDOff 1.37 instead.

Restrictions

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Slave recognition

Slave recognition is not yet implemented in HDOff, thus you must configure your drive configuration yourself, see SINGLE. I think this is alright as it needs to be done only upon installation and if you added or removed your slave IDE drive.

Disabling

There is no way to determine if a drive is in standby or running mode if HDOff is disabled for that drive. Thus, the standby button is always available so you can spin down the drive manually at any time.

Incompatibilites

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- * If HDEnv is installed, it can cause a drive to spin up again if you quit the GUI or hide it. This is caused by the triton GUI system which saves some parameters when closing a window. I recommend that you use HappyENV instead which is also available from Aminet.

----- Footnotes -----

- (1) untested the last weeks

1.8 HDOffGUI_39.guide/Author

Author

If you want to contact the author, be it that you want to send money (cash (only bills), eurocheques and German "Verrechnungsschecks" accepted), bug reports, inquiries, enhancement requests, whatsoever(1), here is the address:

Matthias Andree
Stormstraße 14
58099 Hagen
Federal Republic of Germany

Do not expect replies unless you provide me with a self-addressed, stamped envelope (for Germany) or an International Reply Coupon. E-Mail is the preferred way of contact, but if you send letters/postcards

stating your E-Mail address, this will be fine, too.

E-Mail (use either one, but not two or more at the same time):
 HDOffGUI@emma.line.org
 m_andree@tribal.line.org
 mandree@sxl.hrz.uni-dortmund.de

If you are using E-Mail, may I ask you to use PGP if you have installed it. Say PGP -ka HDOffGUI_34.guide to extract the PGP key and add it to your key ring.

Type	Bits/KeyID	Date	User ID
pub	1024/26BF5CA9	1996/01/18	Matthias Andree <M_Andree@tribal.line.org>
			Matthias Andree <M_Andree@emma.line.org>
			Matthias Andree <M_Andree@line.org>
			Matthias Andree <mandree@sxl.hrz.uni-dortmund.de>
			Matthias Andree <M_Andree@tribal.anubis.sub.de>

-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: 2.6.3ia

Comment: PGP v2.6.3ia, Amiga version. Protect your privacy.

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=D5N5
-----END PGP PUBLIC KEY BLOCK-----
```

Before you send bug reports, make sure you have read and understood this document entirely. It may cover certain aspects you have missed so far and solve your problem, thus eliminating the need to contact the author.

If you send bug reports, do state program and triton version, maybe include Segtracker, TNT or Enforcer information, your hardware configuration, what tools, patches and hacks you are using.

----- Footnotes -----

(1) do not send mail bombs :-)

1.9 HDOffGUI_39.guide/Credits

Credit where Credit is due.

Ralph Babel

The Amiga Guru Book (indispensable)

Olaf 'Olsen' Barthel

Amiga Developer CD

Ingo 'Inge' Dahm

Many AD&D sessions.

Dietmar Eilert

GoldEd PRO

Simon Ferber

He knows why if I say "here's your pizza"

Oliver Graf

Anubis

Ralf 'Snoopy' Imhäuser

Tribal BBS, support

Peter 'PIK' Kasel

Many amazing TITAN games.

Kaz a. k. a. Thomas 'Tiger-Tom' Kedzior
,,Heute ziehen wir uns richtig einen."

Marcus 'Käpt'n' Kruse
For being a good friend

Kai Posadowsky
many things

Volker Remuß
MetoCloPramiddihydrochlorid? #AmigaGer

Daniel Reymann
total eclipse of the sun

Matthias 'Schmaußbär' Schmauß
seeing the midnight sun in Bodø, Norway

Ralph Seichter
no special reason

Christoph 'Siggi' Sieg
WET, GET -- ,,das ist der Töter", ...

Torsten Spicker
Tribal BBS, special support

Reinhard Spisser
MakeInfo

Volker Stolz
MicroDot tools/FAQ, support

Gordon 'Jeppe' Storkmann
Keep repulsing.

Sascha Tannert
beta testing

Johnny Teveßen
support, Tribal BBS

Manfred Tremmel
nice mails

Sebastiano Vigna
MakeInfo

Oliver Wagner
MicroDot, Voyager

Gideon Zenz
HDOff, the idea for HDOffGUI, beta testing

Tribal BBS and its SysAdmins
mail, news, support

DOSIS/2 project and its SysAdmins
 mail, news, internet access, home page

SAS Institute
 SAS/C Development System 6.51

Free software foundation
 GNU tools

Hochschulrechenzentrum der Universität Dortmund
 SX1, Internet services

#AmigaGer
 'dictatorial' (1) amiga celebration channel "do not feed, do not
 ask about..." :-) on IRC

----- Footnotes -----

(1) ask L3Xi (Gerrit Hahn) about this

1.10 HDOffGUI_39.guide/Index

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