

EcoDisk

COLLABORATORS

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REVISION HISTORY

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Chapter 1

EcoDisk

1.1 EcoDisk.Guide summary

CONTENTS

EcoDisk v1.1x : your file manager

(c) 1993/1994 Thomas PIMMEL

Current version : V1.13

Changes -> 1.19

Presentation
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1.2 Changes -> 1.19

Changes 1.19

- Interrupt routines changed (VBL->CIA) for compatibility with Multiscan, Productivity, ...
-

- Message added in language file (CIA resource allocation).
- Players changed: CIA adaptation
 - * ProTracker
 - * EMSRaw
 - * SoundMon
- New menu item: "Players speed". Now you can adjust the speed at which a module is played. Negative numbers decrease speed whereas positive numbers increase it (from -4000 to 4000). Default value is 0. NTSC - PAL detection is automatically made (default value remain the same).
- The player speed is saved in the preferences file. Old preferences files are compatible (new file has the same size).

Changes 1.18

- Bug in audio channels allocation removed.
- Bug in command "DEVICE" removed.
- Code optimisation (branch).

Changes 1.17

- DOS errors management changed (using PC0: with kickstart 2.0 and 3.0).

1.15 & 1.16 internal test versions.

Changes 1.14

- The Hotkey can be used to call the Ecodisk screen to front, even if the program is busy.
- The music players now try to allocate audio channels before playing and send you a message if they can't (except MED routine which does it itself).
- Minor bug fixed (re-opening screen).
- Message added in language file (audio channels allocation).
- Default preferences changed.

1.3 Presentation

PRESENTATION

ECODISK is a file manager. It allows you to manipulate your files (copy, rename, delete, ...) with the mouse more quickly than WorkBench and Shell.

You can read a file and search a string, play modules...

There are 19 internal commands.

ECODISK allows you to run external programs (to view pictures and anims or to edit texts, ...).

You can customize ECODISK (language, palette, screen format, ...) and define gadgets and commands.

You can call it when you want with a Hotkey. When you have a dormant ECODISK, it will use about 40kb only.

ECODISK was written in pure assembler. It's a small and fast program which needs kickstart 2.0 or 3.0 and reqtools.library ((c) Nico François). It's fully compatible with kickstart 2.0 and above. Its pseudo-localization doesn't need kickstart 2.1 and allows you to customize texts and menus.

See Commands, Configuration, Preferences

1.4 Copyright and distribution

COPYRIGHT AND DISTRIBUTION

ECODISK is copyright by Thomas PIMMEL (see Contact me)

SHAREWARE

This program is shareware. If you use it, you should send me a contribution of US\$15, 20DM or 60FF, except jobless persons, students or persons which haven't enough money. These persons can send me a card or a beer.

DISTRIBUTION

ECODISK can be freely distributed as long as the following conditions are fulfilled :

* all files must be included

EcoLng (dir)	
English.lng	English.lng.info
Français.lng	Français.lng.info
LISEZMOI	LISEZMOI.info
README	README.info
Players (dir)	
EMSRaw	MED
ProTracker	SoundMon
EcoDisk	EcoDisk.config
EcoDisk.config.info	EcoDisk.eng.guide
EcoDisk.eng.guide.info	EcoDisk.frn.guide
EcoDisk.frn.guide.info	EcoDisk.info

EcoLng.info	LISEZMOI
LISEZMOI.info	Players.info
README	README.info

* the sales price mustn't be higher than the cost of an empty disk plus costs for shipping.

OTHER PROGRAMS

ECODISK needs reqtools.library and eventually powerpacker.library
(c) Nico François.

These programs aren't part of ECODISK but it's better to distribute them with it (ECODISK must have reqtools.library).

WARNING

This software is provided "AS IS" without warranty of any kind, either expressed or implied. I explicitly reject any responsibility for any direct or indirect consequence from the use of ECODISK.

reqtools.library isn't a part of Ecodisk and is copyright Nico François.

1.5 Contact me

Contact me :

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89.06.05.25

1.6 Installation

INSTALLATION

To install Ecodisk, just copy its drawer on your harddisk.

If you don't have reqtools.library (V38 or higher), copy these libraries in your drawer LIBS:

It's better to install Ecodisk with its script.

1.7 Ecodisk Execution

ECODISK EXECUTION

From WorkBench :

Click on the EcoDisk icon.

From CLI :

```
CD <Ecodisk drawer>
RUN EcoDisk
```

PARAMETERS

From WorkBench :

You can change tool types :

NPUB (doesn't display the "About..." requester
when opening screen)

HIDE (does open a dormant Ecodisk)

From CLI :

EcoDisk syntax (EcoDisk ?) :

CONFIG/K,NPUB/S,HIDE/S

NPUB and HIDE are the same as from WorkBench.

CONFIG <configuration> : you run the program with a configuration different from which is in the preferences.

Example :

```
run EcoDisk config ram:test.config hide npub
```

1.8 Introduction

Why ECODISK ?

ECO like "Econometique" (in french in the text) which means "cheap".

There are a lot of programs like ECODISK, but I don't like any of them: too big, too old or too much bugs. I did want a short program that I can modify and make resident.

ECODISK has some useful functions: you can read a file (hexa or ASCII) and search strings, you can run another program (multitask), you can play several types of modules (like Deliplayer (c) Delirium Softdesign).

See Contact me, Copyright and distribution.

1.9 EcoDisk screen

ECODISK SCREEN

In the middle of your screen, you can see a gadget panel. These gadgets allows you to execute commands. These commands can be either ECODISK commands or external commands.

see Commands

On each side, there is a space for the drawers and files list. A list can either be the source or the destination of a command.

see Preferences

Above these spaces, a string gadget allows you to type the path you want to list (DH0:LIBS for example). This is not the only way to select a path.

Above the window (titlebar), you'll find informations: the name of the volume you're looking at, the number of bytes available on the volume, the size of the selected file(s), the number of files selected and the total number of files in the list. You select a file by clicking on its name in the list with the mouse.

see Picture IFF <EcoDisk.pic>

To use menus, move the pointer on the titlebar and then click the right mouse button.

Clicking with the right mouse button in a list will display a pre defined drawers list. Clicking once again with the right mouse button in this list will cancel the previous operation. You can select the drawer you want to examine by clicking on it with the left mouse button.

see Configuration

By clicking once in a list, it will become the source and the other the destination.

If you don't understand, press <HELP>!

1.10 Ecodisk menu

ECODISK MENU

You can use menu by moving pointer in the titlebar.

Here are the menu items and their functions.

PROJECT

Hide EcoDisk will become dormant. The program
 will close its screen, free buffers and
 wait for "L-Amiga E" (default hotkey) to
 wake up.
Quit Quit program.
About... Displays author name and his address.

COMMANDES

Module info Display module name and player used.
Format Allows you to format a volume in some
 modes.

PREFS

Preferences menu (see Preferences)

TOOLS

You can add your own commands in this menu header.
(see Configuration)

1.11 Commands

COMMANDS

General informations

When using recursive commands (ex: copy, delete, ...), EcoDisk will ask you for a filter.

There are 4 possible syntaxes :

string only files with this name will be
 concerned.
* all files will be concerned (same as
 gadget "Don't filter").
*string only files with the suffix "string" will
 be concerned.
string* only files with the prefix "string" will
 be concerned.

When a command needs 2 arguments, it's generally the source selected drawers/files and the destination path.

You can cancel a command by pressing <ESC>.

EcoDisk internal commands.

There are 19 internal commands; quick summary:

ALL Select all the source drawers/files.

CLEAR Deselect all the source drawers/files.

COMMENT Allows you to add a comment to the files (non recursive).

COPY Copy source drawers/files to the destination (recursive command).

see Copy

DELETE Delete files (recursive command).

DSELECT Deselect source files (ask you for a filter).

DEVICE You can choose the path that will be examined in a requester among your volumes and assigns.

LINK Allows you to create a DOS link on a file (on the same volume!).

see Link

MAKEDIR Creates a new drawer.

MOVE Move (copy and then delete) the selected source files to the destination path (no filter).

PARENT Read the parent drawer. If you're reading the root, displays the predefined drawers list.

PLAY Plays a module.

see Play

PROTECT Allows you to change attributes of a file.

see Protect

READ Reads selected files (text or binary).

see Read

RENAME Renames a file or a drawer.

ROOT Reads the root.

SEARCH Allows you to search a file in a drawer or volume (recursive command).

see Search

DSELECT Select source files (ask you for a filter).

SIZE Computes the size of the files of a drawer.

see Size

1.12 Copy

COPY

"Copy" allows you to copy a file from source to destination. The copied file keeps all source file attributes (comment, date, attributes, ...) with the following restrictions:

The A (archive) flag can be removed (see Preferences).

If the file exists yet, it will keep the destination attributes (SP-RWED).

If source file doesn't have a comment, the file will keep destination comment.

Copy speed is increased by increasing number of buffers.
(see Preferences)

You can cancel copy by pressing <ESC>. Ecodisk tests keyboard input after it has written all its buffers. For example, if you have 10 buffers, the copy will stop after 1024*10 bytes copied.

1.13 Link

LINK

"Link" allows to create a link on a file. The file datas will be once on your disk, but you'll have two pointers on these datas.

The pointers can have different names but their attributes (date and comment) are the same.

"Clean" links are made on the same volume.

For example, a link can be used to have all documentation files in a drawer and in their program drawer at the same time without using a lot of place.

You can have several links on a file (as far as I know).

1.14 Play

PLAY

"Play" allows you to play ProTracker modules.

This command makes a list of the files you want to play and then plays the first. You can work with Ecodisk at the same time.

To play next module, press "N" or "]". To play previous module, press "P" or "[". To stop playing, press "<ESC>" or "*".

When you "READ" a file, "<ESC>", "N" and "P" are used to search occurrences of a string, so use "[", "]" and "*".

"Play" use external players that I write especially. Don't forget to give the path in the configuration file.

There are 4 players :

MED, ProTracker, EMS, Sound-Monitor.

because I only have 4 modules types!

If you want a new player, please send me:

A song (a good one!) of this player to make tests. Please tell me if I can diffuse the song or not.

Eventually :

The name of the player that play the song.

The player source file (ASM only).

If I like your song, I'll certainly write the player quickly.

Protracker / Noisetraacker

These two Soundtracker clones are the most well-known in spite of their bugs.

Some musicians insist upon a specific routine for each player. Personally, I don't care about it: my Protracker player can play Noise modules.

VBL/CIA

Now EcoDisk can play VBL and CIA modules (1.19).

"Make it yourself"

If you wrote a player (whoua!), please send it to me with a module (to test it). I'll include it in the EcoDisk package. Don't forget your complete address.

(see the file "EDiskPlayer.doc")

1.15 Protect

PROTECT

"Protect" allows you to modify file attributes (recursive command).

The command opens a requester in which you can choose the flags you want to change.

There are 14 gadgets (2 per flag, S P A R W E D).

You can add a flag to a file (+) or remove one (-).

Press <HELP> to have the keys.

Example :

+ S _ _ _ _ _

- _ _ _ _ W E D

This will add the S flag to all the files and remove the W, E and D flags. The P, A and R flags aren't modified.

1.16 Read

READ

"Read" displays text and binary files in the Ecodisk screen.

In text mode, you can search a string by pressing "S" or "F" and move to another occurrence by pressing "N" (next) and "P" (previous). Press <HELP> to have the keys.

If you have powerpacker.library in the libs: drawer, "Read" decompress your file before displaying it (if it is a crunched file).

1.17 Search

SEARCH

"Search" allows you to find files with a filter.

When Ecodisk find a corresponding file, you can:

Stop : Eco displays the drawer and select all the corresponding files.

Next : continue search.

Cancel : cancel search.

1.18 Size

SIZE

SIZE computes the size of the files of a drawer (recursive command).

There are two size computing modes :

- real size (on the disk)
- displayed size (data size)

The real size of a 124 bytes long file is 1024 bytes (on HD or FD).

Warning : the real size doesn't include cache (DIRCACHE).

see Preferences

1.19 Configuration

CONFIGURATION FILE

The configuration file allows you to :

Define a drawer list that will be displayed when you press the right mouse button.

see Devices section

and to :

Create, move or modify a command gadget.

Create, move or modify a menu item in the TOOLS menu header.

Create or modify a gadget hotkey.

see Buttons section

and to :

Select the players that will be loaded and their path.

see Players section

and finally to :

Define auto-commands that will be used when you double-click on a file.

see Auto-commands section

A configuration file is a text file that you can edit with ED (for example). It can be wherever you want on your disk. The .config extension is recommended. EcoDisk needs a configuration file. The default file is EcoDisk.config .

It includes several sections with the header #.

IMPORTANT!

The string #ENDC must end a configuration file.

see File example

1.20 Devices section

DEVICES SECTION (#DEVS)

This section give the drawers that will be displayed when you press the right mouse button.

Example :

```
#DEVS
DF0:
DF1:
DH0:
RAD:
WBench:
Empty:
LIBS:Classes
DH0:PICS/Fractals

/* if end of the config file */

#ENDC
```

1.21 Buttons section

BUTTONS SECTION (#BUTS)

After the #BUTS header, you give the command gadgets list.

If the screen isn't high enough to display a gadget, Ecodisk creates a menu item in the TOOLS menu header.

The char & (alone on a line) force EcoDisk to put the commands that follow in the TOOLS menu header.

The char _ allows you to define a hotkey (gadget only) used in combination with R-Amiga.

An empty line separate the gadgets or insert a BARLABEL in the menu.

A gadget is maximum 7 chars wide.

The menu item name width isn't limited.

EcoDisk recognise " " (quotes).

Line syntax :

Name Command [arguments]

Internal commands don't have arguments (@ designate internal commands).

Example :

```
#BUTS
Move @Move
Delete @delete
View Viewtek >NIL: %rf
&
Edit ed > >NIL: %sf
Run %sf %as"Argument"

/*if eof*/

#ENDC
```

Available commands are described in Commands.

In your command line, you can include EcoDisk arguments with %s symbols :

%as["String"] (Ask String)

%as is replaced by the string you type in a string requester. "String" is the requester title.

`%sm` (Source Multiple)

`%sm` is replaced by the selected files and drawers names.
The command called must accept multiple arguments.

`%sf` (Source File)

`%sf` is replaced by the last selected file (only file).

`%sd` (Source Drawer)

Same as `%sf` for a drawer.

`%sp` (Source Path)

`%sp` is replaced by the source path.

`%dp` (Destination Path)

`%sp` is replaced by the destination path.

`%ac` (Auto-Command)

`%ac` is replaced by the name of the "double-clicked" file
when using an auto-command (to be used in that case
only).
see Auto-Commands.

`%rf` (Collect Files Recursively)

`%rf` is a more complex command call. The program called
with `%rf` is runned for each selected file (as an internal
command). In that case, the called command will be
sent to the output file/window and EcoDisk will wait till
you press <RETURN> to close the output stream.

In addition, you have :

The ">" char alone indicates that the WorkBench window must pop
to front when executing the command. When you use a command with
`%rf`, EcoDisk comes back automatically to front.

The > char with an Amiga-OS output (NIL:, PRT:, CON:, ...) allows
you to redirect the command output.

You can define the default output in the preferences.

1.22 Players section

PLAYERS SECTION (#PLAY)

You give the players that EcoDisk have to load in memory when you

use the PLAY command.

Example :

```
#PLAY
dh1:music/players/EMS
dh1:music/players/SoundMon
dh1:music/players/MED
dh1:music/players/Protracker

!Players mustn't be crunched!
!Give only EcoDisk players in this section!
```

1.23 Auto-Commands

AUTO-COMMANDS SECTION (#AUTO)

When you double-click on a file, EcoDisk will verify in the #AUTO section if it has to execute a command (auto-command). For example, when EcoDisk meets a JPEG picture, it displays it (using ViewTek for example).

Line syntax :

"Identification string" Command

Example :

```
#AUTO
FORM???ILBM ViewTek/VT >nil: %ac
mod.* @PLAY
$000003F3$ > %ac
```

The identification strings are compared with the first bytes of the file. If the string and the bytes are matching, EcoDisk executes the auto-command.

The commands are the same as which in the #BUTS section. Only @PLAY and @READ can be called as auto-commands.

%rf, %sm, %sf and %sd specifications are useless even if they're active.

The "double-clicked" file name is in %ac.

The identification string can be composed of :

- "?" which replace any byte (character)
- hexa numbers between \$ symbols.

If there's a "*" in the identification string, EcoDisk compares it with the file name (and not with the first bytes of this file).

By default, EcoDisk uses "READ".

1.24 Configuration file example

CONFIGURATION FILE EXAMPLE

```
#DEVS
DH0:
DH1:
DH2:
DF0:
DF1:
RAM:
RAD:
S:
A:
B:
C:
LIBS:
DH0:UTIL
DH1:UTIL
DH1:ASM/AUTODOC
DH1:MUSIC/PROTRACKER/MODULES
INCLUDE:

#BUTS
Root @Root
Device @Device
Parent @Parent

_All @All
Clear @Clear
Select @Select
DSelect @Deselect

_Copy @Copy
_Rename @Rename
Move @Move
_Delete @Delete
_MakeDir @Makedir
Link @Link

Comment @Comment
Protect @Protect

_Size @Size
Search @Search

Read @Read
Play @Play
Edit c:ed > >nil: %rf
&
ViewGIF dh1:Pics/ZGIF020 >nil: %rf
ViewAll dh1:Pics/viewtek/vt >nil: %rf
Run > %sf
```

```

"LHarc Add" lharc > -r a %s"Path and archive name" %sm
"LHarc Auto-Extract" lharc > x %rf %sp
"LHarc Extract" lharc > x %rf %s"Path"

"Search string" search >ram:searchresult %rf %s"String to search"
Guides >nil: > multiview %sm

#PLAY
Players:ProTracker
Players:SoundMon
Players:EMSRaw
Players:MED

#AUTO
$000003F3$ > %ac
FORM????ILBM dhl:pics/viewtek/vt %ac
???????JFIF dhl:pics/viewtek/vt %ac
GIF dhl:pics/zgif020 >nil: %ac
FORM????ANIM dhl:pics/viewtek/vt %ac
mod.* @Play
sm.* @Play
MMD0 @Play
$0125$ @Play
*.lha lharc > l %ac
*.lzh lharc > l %ac
#ENDC

```

1.25 Preferences

PREFERENCES

Preferences can be found in the PREFS menu header.

Preferences are saved in ENVARC: and ENV: with the name EcoDisk.prefs .

Language To load a new language file (.lng).
 Default : EcoLng/english.lng

Config To load a new configuration file.
 Default : EcoDisk.config

Screen To change screen mode.
 Default : Hi-res

Palette To change palette (4 colors)

Font To change font size.
 (8 and 9 in ROM and 11 on disk)
 Default : 8

Default output To define default output for external commands.
 Default : CON:///EcoDisk

Line format To define the line format of the files.
Attributes are S A D C N (Size, Attributes, Date, Comment, Name).
The name is in first position, but you can put it once again somewhere else. You can put the other attributes where you want. You can put as many attributes as you want.
Default : S A D C.

Buffers To copy a file, EcoDisk dynamically allocates memory. 160 buffers (1024 bytes each) can be allocated. 160 is an optimal value but 30 or 40 is good enough.
Default : 50.

Hotkey You can call the EcoDisk screen to front by pressing L-Amiga and another key that you can define here.
This key can also wake up EcoDisk when it is dormant (with PROJECT/Hide).
Default : "E".

Players volume To adjust play volume.
Default : 64.

Players speed To adjust play speed (1.19).
Default : 0.

Flags :

Delete warn Request before deleting.

Link warn Request before creating a link.

Scroll Show the file being processed while the command.

Real size See Size

Display DOS errors The DOS errors :

ERROR_DISK_NOT_VALIDATED
ERROR_DISK_WRITE_PROTECTED
ERROR_DEVICE_NOT_MOUNTED
ERROR_DISK_FULL
ERROR_NOT_A_DOS_DISK
ERROR_NO_DISK

Displays a requester with the DOS error that occurred. It's useless but EcoDisk can do it.

Load players EcoDisk loads the players only when it needs them. With this flag, it loads them at the beginning.

Del A attribute EcoDisk will remove the A flag when you copy a file. Useful if you make backups.

Hide warn EcoDisk opens a requester with the hotkey to call it back just before you hide it.

Sort

Alphabetical Alphabetical sort for the file list.

By size Files are sorted by size, and then in alphabetical order.

By date Files are sorted by date, and then in alphabetical order.

Date (date format)

MM-DD-YY Month/Day/Year

DD-MM-YY Day/Month/Year

Save Save prefs in ENV: and ENVARC:

Use Save prefs in ENV:

Reload Reload prefs from ENV:

1.26 AREXX

AREXX

EcoDisk has an AREXX port called "EDiskIOPort"

EcoDisk knows 3 commands : QUIT, SHOW, HIDE.

QUIT : Quit EcoDisk

SHOW : Call EcoDisk screen to front or wake up.

HIDE : Hide EcoDisk

You can execute these commands with M2I or CallIO.

1.27 PowerPacker & Reqtools

POWERPACKER ET REQTOOLS

EcoDisk needs reqtools.library and uses powerpacker.library.

These libraries are (c) Nico François.

Reqtools is a fantastic library that is very useful for a programmer :

Requesters, string requesters, file requesters, screen and palette requester are made with the reqtools.library.

The powerpacker.library allows you to load and read files that are compressed with PowerPacker.

You can compress :

Config files
Languages
Preferences

Don't compress players!

Powerpacker.library is also used by "READ".

1.28 Kickstarts

KICKSTART

Under Kickstart 3.0 (V39 and above), Ecodisk uses NEWLOOK menus.

The vertical scroller gadgets have arrows.

You can use Ecodisk with the new ECS and AGA monitors.

1960 monitors : Ecodisk opens an OVERSCAN_TEXT screen, don't forget to adjust it.

1.29 Credits

CREDITS

Thanks to me for spending time to write this guide because it's laborious.

Conception, programmation
and french texts Thomas PIMMEL

English translation Jean-Marc Boursot

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Ad

Play Impérial, the best Tai-pei ever written.

Thomas.
