

# **GlobalTrash**

Oliver Blumert

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**COLLABORATORS**

	<i>TITLE :</i> GlobalTrash		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Oliver Blumert	June 25, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# GlobalTrash

### 1.1 Contents

GlobalTrash

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Version 0.99  
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Contents:

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~ ~~~~~ Future ~~~~~~ ~

~~~~ ~The~Author~ ~~~~~

~~~~ ~Special thanks~~~~~

I'm sorry about the many and more errors in this english ↔  
documentation...

### 1.2 Introduction

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## Introduction

=====

A big Lack of the AmigaOS-Workbench is the trashcan-system. It simply moves files in a specific directory of a volume and adds a new menuentry for this specific directories. A volume-independed trashcan isn't existing as long as many features that are important for a efficient usage.

In the Aminet there are multiple programmes, which create one appicon on the workbench and so combine the multiple volumes. Every programm has its superior feature but no one has the really important features combined. And there are a lot of important features i never found in any of this programmes.

So I decided to write a new one with all this features. And here are the highlights:

- One appicon for all volumes on the workbench.
- Font-sensitive and appealing GUI.
- Access to a global trashcan with the contents of all trashcan-directories on all volumes.
- Ability to access a single trashcan-directory on a volume.
- Automatically delete files that are older than a specific amount of days.
- You can use the trashcan for the backups of your programmes (like GoldED, PageStream,...). You will always have access to your older documents and you can be sure that they will be deleted if they are too old.
- Ability to start an AmigaDOS-Command for every volume (to eject your ZIP-Disks for example).
- Different requesters with various options for interaction.
- Usage in combination with DirectoryOpus (uses GlobalTrash for the delete-operation). Note: the needed program is in an early alpha-state and not included in this version - comes with V 1.0).
- Progress-bar.
  
- Correct processing of the same filenames in the same trashcan-directory (no overwriting of existent files in a trashcan directory).
- Ability to restore a file in his original path with his original filename.
- GUI shows a file-tree for directories.  
Ability to browse in this tree and to process (restore, delete) files from within this tree.
- Recognition of files which are not moved by GlobalTrash into the trashcan directory (without the origin); for example a backup-file from GoldED.
- Ability to restore files over multiple volumes.
- Correct processing of the iconfiles (#?.info).
- and many many more.

## 1.3 Requirements

### Requirements

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This programm needs at least:

- A 68k-computer with AmigaOS (Amiga© or Draco©).
- AmigaOS 3.0 or greater.
- 80-100KByte free RAM.
- 'Copy' and 'Delete' in the current path (normally 'C:'; for the restore-function over multiple volumes - I think about changing that).
- Volumes with trashcan-directories (of course).

## 1.4 Installation

Installation  
=====

You can easy install GlobalTrash by using the installerskript.  
This skript does the following:

- Copy the mainprogram (with its icon) to 'SYS:WBStartup/' ('AVERAGE' and 'EXPERT' asks for the path). The right version for your processor is choosen (with 'EXPERT' you can change that).
- Copy the iconfiles to 'ENVARC:sys/' and 'ENV:sys/' (you can skip this by choosing 'EXPERT').
- Copy the needed catalogfiles to 'LOCALE:catalogs/' (you can select them with 'EXPERT').
- Copy the Documentation to 'SYS:' ('AVERAGE' and 'EXPERT' asks for the path).

The installation 'by hand' should also be very simple:

- Copy the mainfile 'GlobalTrash' together with its icon into the directory 'SYS:WBStartup' (to start the program automatically after each boot-procedure).
- If you want any other language than german, copy the catalog to 'LOCALE:catalogs' or 'PROGDIR:catalogs' and the directory of the selected language.
- Copy the contents of 'ENVARC/sys' to 'ENVARC:sys' (iconfiles).
- Copy the documentation.
- Start the program.

## 1.5 Benutzung

Usage

=====

GlobalTrash is simple to use:

You can drop one or more files over the GlobalTrash-appicon on the workbench. These files will be moved to the trashcan directory on the belonging volume or (if there isn't any trashcan directory on this volume) the files will be

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- Size: Stands for the filesize inclusive the size of the belonging iconfile ('.info') - if there is any.
- Time left: Stands for the amount of days this file will be stay in the trashcan directory before it will be automatically deleted.
- Origin: Stands for the original path and filename of this file. If you can read only a volumenname (e.g. 'Work:') then this origin is unknown to GlobalTrash (if another programm moves the file into the trashcan directory) and the Undelete-command has the same effect as the Undelete as-command.

In this listview you can select or deselect multiple files. All you have to do is to press the left mousebutton and move it up or down without releasing this button. No need to hold down the shift key !

A second way is to select each file by clicking once onto the entry.

A doubleclick performs the action choosen by the Actual command-gadget (inclusive the entry you double clicked).

## 1.7 Menuentries (Mainwindow)

The menu of the mainwindow

=====

GlobalTrash offers the following menuentries in his

~mainwindow~

:

- Menu Project:
  - Preferences: Open the Preferenceswindow
  - .
  - About: Open an informationrequester.
  - Hide: Close the mainwindow.
  - Quit: Quit the program.
- Menu Edit:
  - Update: Update the contents of the actual trashcan directory. If the 'Global'-trashcan is active then the program will update the trashcan directories on all (to GlobalTrash) known volumes (see Actual trashcan-Gadget).
  - Update devices: Update the devicelist (e.g. if you create a trashcan directory on a mounted volume).
  - Register: Open the registerwindow
  - .

## 1.8 Einstellungen

Einstellungen

=====

You can configure GlobalTrash in order to suit your personal needs. Therefore there are, apart from the

~menuentries~  
, the following options:

- Device-specific options (for each volume selectable):
  - Actual trashcan: Choose the belonging volume for the next two gadgets.
  - Deviceaction: Define an AmigaDOS-programm which is started every time you drop the volumeicon on the appicon (can be used for ejecting ZIP-Discs or to format this volume - if you like that). Default: no command (empty entry).
  - Deletetime (days): Define the expiring-time. After this time (in days) all files older than this amount will be automatically deleted. Default: Default deletetime.
- Global options (valid for all volumes):
  - Default deletetime (days): Define the expiring-time for all trashcan-directories which are not already processed by GlobalTrash (e.g. new volumes). Default: 7 days.
  - Extra space (pixel): Define an extra space in pixels between each entry in the listview-gadget. A value of '0' means that GlobalTrash will adapt this value automatically to fit the nearest Image (plus on extra pixel) it can reach (but max. 4 pixel). With this value you can set the size of the used fileimages. These Images are present in the sizes 10,13 and 16 point. So you can use the 16-point height image by setting this value to 16-<fontheight> means e.g. '8' Pixel for a 8 point topaz.font and by setting this value to '7' the 13-point images will be used for the same font. Default: 0 Pixel (automatic).
  - WB-Iconname: Define the name of the appicon which appears on the workbench below the icon (its name). Default: 'GlobalTrash'.
  - Save tree: Defines wheter GlobalTrash should remember the directory-structur. By setting this flag, GlobalTrash will save the contents of the unfolded directories so that this directories are unfolded if you start this programm again. Without this flag, GlobalTrash will only save the trashcan-directory itself - each unfolded directory is folded after starting again. Default: off.
  - Ask before action: Turn on the Delete and Protection-requesters. By clearing this flag, GlobalTrash will delete

files immediatly without asking first (this is also valid for protected files).  
Default: on (ask).

- GUI-Options:
  - Font: Choose the font for the windows.  
No entry means to use the font of the default pulic-screen.  
Default: empty (default-font).
  - Icon (empty): Choose the iconfile which is used as appicon for GlobalTrash if all trashcan-directories (means: Global-trashcan) are empty.  
Default: 'ENV:sys/def\_Trashcan'.
  - Icon (full): Choose the iconfile which is used as appicon for GlobalTrash if there is at least one entry in one trashcan-directory on one volume (means: at least one file in Global-trashcan).  
Default: 'ENV:sys/def\_TrashcanFull'.
  - Get: Open an ASL-Requester in which you can use the file you want to get (a font or one of both iconfiles).
  - Snapshot WB-Icon: (NOT IMPLEMENTED YET)  
Should be used to snapshot the current position of the appicon on the workbench - but how can I read this position ?  
If you are a user of DirectoryOpus, you can snapshot the icon by pressing the right mousebutton over the appicon and select the 'Snapshot'-menuentry.  
Default: no icon-position.
- Standard-gadgets:
  - Save: Save the settings as default (in 'ENVARC:'). This settings will also be used for the next start after rebooting.
  - Use: Use this settings for now (no saving).
  - Cancel: Forget this settings and do not change the actual settings (before running the preferences).

## 1.9 Menuentries (preferenceswindow)

The menu of the preferenceswindow

=====

GlobalTrash offers the following menuentries in his  
~preferenceswindow~  
:

- Menü Project:
  - Load: Load a GlobalTrash-preferencesfile.

- Save (default): Save the preferences as default and close the preferenceswindow (like the Save-gadget). The saved preferences will be activated again at the next startup.
  - Save as: Save a GlobalTrash-preferencesfile. You can set the path and filename.
  - About: Open an informationrequester.
  - Quit: Quit the preferences-editor and forget your settings (like the Cancel-gadget). The programm itself won't quit.
- Menu Edit:
- Reset to defaults: Reset the settings to the default (build-in) settings. You need to activate them with the Save- or Use-gadget.
  - Last saved: Reset the settings to the last saved (default) settings. Like above, you need to activate them.
  - Restore: Reset your changes (restore the actual settings).

## 1.10 Progress-bar

The progress-bar  
=====

The progress-bar will be displayed at nearly every operation of GlobalTrash. It shows which file is processed actually, how many files are already processed and how many files will be processed totally.

This window will be the only chance to cancel an operation if you disabled the Delete- and Protection-requester (by selecting the referred 'All' option or by disable the Ask before action-gadget in the preferences). In this window you can select an Cancel-gadget which will cancel the current action directly after processing the current file.

After finishing the action (all files are processed or the user has aborted) this window will close automatically.

## 1.11 Requester

The Requester  
=====

For security-reasons GlobalTrash will ask the user before perfroming an important action (such as delete).

It uses the following requester:

- Delete-requester:

Every time an user want to delete a file (and the Ask before action-option is set) the user will be asked if this file should be deleted really. GlobalTrash offers you this options:

- Delete: Delete the file mentioned in this requester. If there will be more files to process then this requester will appear for the next file to be deleted again.
- Delete all: Delete the file mentioned in this requester and all further files without asking again.
- Skip: Skip the file mentioned in this requester. If there will be more files to process then this requester will appear for the next file to be deleted again.
- Cancel: Cancel the whole operation and don't delete this and all further files.

- Protection-requester:

It can happen, that a file to be deleted is protected against deletion. In such a case (and the Ask before action-option is set) this requester will appear instead of the Delete-requester (even if you selected the Delete all-option of the Delete-requester). You will have the following options:

- Unprotect: Remove the protection and delete this file. If there will be more file to process then this requester will appear for the next file to be deleted and is protected again.
- All: Remove the protection for this and all further files without asking again. It also deletes this files.
- Skip: Don't change the protection-status and skip this file. If there will be more files to be deleted and are protected then this requester will appear again.
- Cancel: Cancel the whole operation, don't change the protection-status and don't delete this and all further files.

- Undelete-requester:

If you want to undelete a file (from which the origin is known), you can perform the Undelete-action (otherwise the Undelete As-action will be used). In this case (and the Ask before action-option is set) a requester with following option will appear:

- Undelete: Undelete the file mentioned in this requester at its origin. If the path isn't existent it will be automatically created. If there are more files to be undeleted then this requester will appear for the next file again.
- Undelete all: Undelete all selected files at their origin without asking again.
- Skip: Skip the mentioned file and ask again if there are more files to be undeleted.
- Cancel: Cancel the operation and don't undelete this an all further files.

If you undelete a file and a file with this name is already present in this path, then another requester with this options will appear:

- Overwrite: Overwrite the file mentioned in this requester.
- Rename: Open an ASL-Requester in which you can change the path and

- filename in order to rename the file to be undeleted (like Undelete as).
- Duplicate: Change the filename. To do this, GlobalTrash adds an `' .dup<X>'` (<X> stand for a number) to the filename. If you e.g. undelete a file `'Test'` and the files `'Test'`, `'Test.dup'` and `'Test.dup1'` are already in this path the file will be renamed as `'Test.dup2'`.
  - Skip: Skip the current file and process the next one (if there is any further file).
  - Cancel: Cancel the whole operation.
- Requester for expired files:

One of the superior features of GlobalTrash is the automatic deletion of expired files.

But before delete this files (and if the Ask before action-option is set), GlobalTrash will tell the user that there are expired files in the trashcan. The user will have the following options:

- All: Delete all files without asking any more (and without asking for protection-flags).
  - Ask: Open the Delete- or Protection-requester for the first file (the other files depend on the selection of the new requester).
  - Cancel: Cancel the current operation and don't delete the expired files. The files will be marked as non-expired and they will be expired the following day again.
- Requester to empty the actual trashcan:

If the user selects the Empty this trash-gadget then a new requester will appear before deleting the contents of the current trashcan.

The user can't disable this requester and he can choose between following:

- Yes: Delete the contents of the actual trashcan without asking again.
- No: Cancel the operation without deleting anything.

## 1.12 Registerwindow

The registerwindow

=====

The gadget User is used to enter your registration name and the gadget Codenumber is used to enter your codenumber. The required values for this gadgets are returned by the

author  
after you have  
registered

.

If both entries are correct then the gadget Register will be selectable and you will register by select it (you should do so).

Selecting the gadget Cancel will cancel the whole operation and you won't be

registered (your expiring-time will go on).

If you have to register because you are using this programm more than 30 days, then the Cancel-gadget will be selevelable immediatly for another 7 days (37 days are the maximum time) and then this gadget will be unselectable for a specific amount of time (about 1/2 second per expired day) - the window must be stay activated for this time !

## 1.13 History

### History =====

Version 0.99 (15.11.1997) - 80.416 Bytes:

NEW:

- Two versions for MC 68000/68010 and 68020+ added.
- Installerscript (german and english) added.
- English documentation added.

ENH:

- Adapted versionstring of the different programmversions.
- The requester for expired files checks the Ask before action-option.
- Added 7 days to the expiring time (max. 37 days).

FIX:

- Recognition of files to be deleted but already duplicated (e.g. 'Test.dup2 ← ').
- Fix an error of duplicating files.
- Fixed the catalogfiles.

Version 0.98 (08.11.1997) - 80.300 Bytes:

NEW:

- Deviceaction for each volume implemented.
- Missing ASL-requester (preferences) added.
- Menuentries Load and Save as (preferenceswindow) and Update devices (mainwindow) added.

ENH:

- Added the left time for expiring in the informationrequester.
- Changed the text of the protection-requester a little bit.
- Iconfiles are now handled correctly.
- Changed the way of refreshing of the progress-bar.

FIX:

- Changed the text of the menuentry Save (preferences).
- Adding of '.info' at the settings for the Appiconfiles now possible.
- Fixed the error-message if a directory can't be deleted.
- Iconfiles without mainfile are now deletable (again).
- The immediate expiring (normally 30 days) by selecting the menuentry Reset to defaults (preferences) is fixed now.

Version 0.97 (30.10.1997) - 77.248 Bytes:

- First public version.
-



A german (and more detailed) list as long as the support (new versions and announcements) can be found on my homepage at  
'[http://home.pages.de/~bolli/\\_GlobalTrash/](http://home.pages.de/~bolli/_GlobalTrash/)'.

## 1.14 Future

What is to be done  
=====

The roadmap for the first version:

- 0.99: - Fix the errors (if there are any reported - nothing until now).
  - Menuentry in the 'Tools'-menu of the workbench.
- 1.00: - Everything, which is needed to get a stable (but not optimized) version of this program...

For future version there are many suggestions:

- A statusdisplay for the size of the trashcan-contents.
- Replace the AmigaDOS 'Copy' and 'Delete'-calls.
- Optimize the size of the programm.
- and many more ;-)
  
- If you have some suggestions...

## 1.15 Registrierung

Registrierung  
=====

Because I have invested a lot of time and work to get GlobalTrash work, I would like to have at least a feedback of the users.

I wasn't lucky in declaring my projects as eMail-ware until now. The result is that this software must be registered for free.

The only feedback (e.g. for my programm 'PiccoloSD64Test') I received were problems and questions by nearly 5 people but nearly every owner of a PiccoloSD64 used this program. You can receive this program from official FTP-servers (like the one of Phase5) and you can found it on different WWW-pages (like the official cybergfx-page) but I never received any kind of eMail or something else from this people...

You can use this programm without any restrictions and it is fully functional. After an expiring time of 30 days you will be requested to enter your registration-name and -code (you can avoid this by registering before). If you are requested to register and you don't have the name and number, then you can cancel the registering (by selecting the Cancel-gadget) and you can use the programm without any further restrictions (except you quit and start again).

How can I register ?

There are two options:

- eMail: - Edit the textfile Register.txt and send it to the author.  
- nothing more.
  
- Mail: - Edit the textfile Register.txt and print it out or print it first and edit it by hand.  
- Put this page into an envelope and send this letter to the author.  
IMPORTANT: do not forget to add a sufficient prepaid and adressed (to you of course) envelope - I won't pay anything to send this letter back to you (because I don't expect any charge) !  
- Be patient if you didn't receive this answer within one week.  
eMail should be faster of course !

After a (hopefully) short time you will receive your registername and -code so you are now able to  
register  
.

Independed of both options I would be glad if I receive a little gift - if you like and can use this program you will be invited to send a little gift with your registration (something you like; e.g. a bar of chocolate, a registered version of your own program or a little amount of money) - I will be glad about everything ;-)

If you add a gift with your registration, you should register per mail (except you are sending files) or send this gift later per mail.

## 1.16 Autor

Autor  
=====

If you have any questions, suggestions or something else, feel free to contact the author (eMail preferred !):

eMail: olli@rbg.informatik.tu-darmstadt.de

Snail: Oliver Blumert  
Muehlstraße 10  
D-64546 Moerfelden  
(GERMANY)

## 1.17 Special Thanks

Special Thanks  
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I would like to send special thanks to following persons:

- Niels Knoop: for everything around the PiccoloSD64.
- Hans-Joachim Vorndran: for his help in translating this guide into english.
- the beta-testers: Timo Blumert und Patrick Seiler.

## 1.18 Legal Stuff

Legal Stuff

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and

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here

and you will receive your personal

registration code.

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=====

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