

**TWIN**

**COLLABORATORS**

	<i>TITLE :</i> TWIN		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

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# Chapter 1

## TWIN

### 1.1 main

T W I N    Version 1.7

(English guide improved by Willem Schaaïj)

What is Twin  
Installation  
Multi-assign support  
Usage  
Languages  
To do  
Contact the author  
License to use Twin  
History

### 1.2 whatisit

You see, as I download tons of files from the web, there are often twice, trice... the same file on my harddrive in different directories and with different names. The fact is: I was getting tired of all that wasted space. I tried to find a simple solution to solve the problem, tested some programs that were supposed to do the job, but I never found something that could satisfy me.

Thus, I made my own tool to search those twin files, and here is:

TWIN !

### 1.3 installation

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Kinda easy, no need to make a script for now :)

- 1) Copy twin anywhere in your path, (e.g. C:) if you want to use it in a shell. If you prefer to launch it like any other Workbench tool, just copt twin and twin.info in the drawer of your choice.
- 2) Copy the catalogs drawer in your LOCALE: directory

That's it!

about ixemul.library

Previous versions of Twin needed the presence of the ixemul.library version 46.1+ in your LIBS:. Now I managed to get rid of this "dependancy" with the kind help of Jörg Strohmayer. Thus you can ignore the text that follows, I just let it there because it could help someone one day.

You can download the lattest version of ixemul (47.2 yet) from ftp.ninemoons.com in /pub/geekgadgets/971125/amiga-bin

971125 is the date the lattest release, so you may find a newer directory in /pub/geekgadgets (just have a look, doesn't cost much :)

## 1.4 usage

How to use it?

You can run twin from a shell or its icon

```
from shell
from icon
```

## 1.5 soushell

Type twin dh0: (or any valid device) and wait =)

NOTE: if you run Twin without further argument, the program starts its scan in the current directory.

The program scans the entire disk (this can take time, don't think too quickly something's wrong) and then starts to compare files that could be the same, even if they are in different directories. It first outputs the names of files that are NULL-length (if any) and then tells you what are the files in double (if any again). There's a little display showing how many files were already treated.

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The different arguments of the command line:

```
-noinfo
-verbose
-logfile
-clean
-logname
-requester
```

## 1.6 logname

If you use the option `-l` you'll obtain the results in the default file `ram:TWINlog`. If you want to change both name and location of the logfile, use `-ln` or `-logname` followed by the complete pathname.

```
twin dh0: -ln dh0:TWlog
```

If, for any reason, it is impossible to create the given file, then the output will be redirected to the screen.

## 1.7 requester

If you don't like to type command line and long pathnames, this is for you! You'll be able to select the starting directory from a standard ASL requester. Just browse and click OK once you're in the right place. You can use `-r` or `-requester` to activate the requester.

```
twin -r
```

N.B. the `-r` option is "stronger" than any given path.

## 1.8 noinfo

If you want the program to ignore all the `".info"` files, you can use the `-n` or `-noinfo` options

```
e.g. twin dh0: -noinfo
```

## 1.9 verbose

The `-v` or `-verbose` displays some extra information like the total number of files found on the disk, or the amount of memory that was allocated by the program to run. This option is mainly for internal purpose and doesn't help you a lot :)

```
e.g. twin dh0: -v
```

---

## 1.10 logfile

You'll quickly find out that sometimes the displays scrolls too fast for you to note down everything. Thus, there's the logging switch that allows you to get the results in the file ram:TWINlog. Simply use the -l or -logfile argument.

```
twin dh0: -l
```

When the program's done, edit ram:TWINlog to get the stuff.

## 1.11 clean

Sometimes, when a transfer on the web is interrupted, it could be that there are some null-sized files created. Twin tells you each time it encounters one. If you want to, you can tell Twin to erase all those files with the -c or -clean switch.

```
twin dh0: -clean
```

A T T E N T I O N

This switch can be very dangerous!!!

It is possible that some null-sized files are used as a flag by the system, for example in the ENV-ARCHIVE: drawer. Erasing them could make your system crash, so think twice before activating the switch!!!!

## 1.12 icone

Launched from an icon, twin uses the TOOLTYPES to know about the options. TOOLTYPES have the same name their shell equivalent: you should read this section to know about their meaning.

TOOLTYPE	SHELL
NOINFO	-noinfo
VERBOSE	-verbose
CLEAN	-clean
LOGFILE	-logfile
REPERTOIRE=	given path
LOGNAME=	-logname <path:name>

The only missing TOOLTYPE would be "REQUESTER", but this one is useless, as the ASL requester automatically appears if the "REPERTOIRE=" TOOLTYPE is not activated.

Icons included with the program were designed by Roy Krister Ellingsen a sympathetic Norway inhabitant, very happy since he could spare several Mb on his harddisk after having used twin :)

## 1.13 language

Languages:

Twin is localized and speaks fluently:

- \* French (built-in, cocorico)
- \* English (catalog)
- \* Swedish (catalog, courtesy Jonas Holmqvist)
- \* German (catalog, courtesy Arnold Schoenebeck)

If somebody makes a translation in any other language, it would be kind to send me a copy via email so I could include it in the next distribution.

## 1.14 todo

To do:

- add a switch: compare only files with length > what you want.
- Build a GUI.

Last note: Memory consumption

The program needs a lot of space in memory, depending on the number of files on your drive. It needs about 300 KB to handle my 9000 files partition. The allocated memory is (hopefully) totally freed when program stops, but tell me if there's any problem.

## 1.15 me

Twin was written by Christian KASPAR.

Configuration: A4000T  
68060 50Mhz  
40 MB ram  
SCSI harddisk 3.2 GB  
IDE harddisk 1.2 GB  
CD-ROM SCSI PIONEER (12 speed)  
etc... :)

Twin is written in C++ language, compiled with the GNU-GCC from the Amiga Developer Environment.

I'd love to have your comments about Twin, so don't hesitate to send your mail.

rolf@telmat-net.fr

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## 1.16 legal

Twin is 100% freeware and provided "as is". You're allowed to distribute it around as long as it's for free and in its integrity, that is without removing/adding/modifying anything in the original archive.

You're allowed to put it to be downloaded on any ftp site or web page related to the Amiga.

All I can say, is that Twin works perfectly for me :)

I take no responsibility in case of problems or mis-use of this program.

## 1.17 multi

Concrete example : on my system LIBS: is a multi-assignation looking like:

```
Amiga-HD:libs
Amiga-HD:Classes
Amiga-HD:MUI/Libs
GNU_C:Sys/Libs
```

in earlier version, "twin libs:" didn't allow you to find if there were 2 double libraries in LIBS:, 'cause it would stop after the first one (assigns doesn't work like real devices...)

Now twin works nicely with this case, and will really browse every assigned directories.

Tip: how to compare 2 different partitions.

Let's say you want to compare DH0: and DH1:. This was not possible with earlier version, was it? Now, with a little effort, it is!!!

You just need to create an assign that is common to the two partitions:

```
Assign toto: DH0:
Assign toto: DH1: add
```

then use twin on this assign

```
twin toto:
```

And here we go!

## 1.18 history

04 feb 98 Version 1.8

Add: Thanks to the help of Jörg Strohmayer, I was able to get rid of the "dependancy" of the ixemul.library. Now Twin doesn't need

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it anymore, and it's not that bad :)

Add: A set of three icons, courtesy Roy Krister Ellingsen{UB}

27 jan 98 Version 1.7

Bug: Oulala, Shame on me!!!

When correcting the UnLock() stuff, I created a brand new bug able to crash the machine under certain conditions...

Twin 1.6 is to be removed from every hard disk!!!

This time, I swear, it works fine :)

Add: multi-assign support!!!

Add: Option -requester

Add: Option -logname

Add: Launching from an icon

10 jan 98 Version 1.6

Bug: Twin didn't UnLock() pointers on the directories it proceeded through, thus it was impossible to delete them without a reboot.

It was possible to erase files contained in them though.

It's Peter Suggit (again!:) that told me about the bug.

30 dec 97 Version 1.5

Add: Speed improvement

Bug: Little bug terminated (Hasta la vista!)

28 dec 97 Version 1.5

Add: Little speed improvement.

Add: Up-to date guides

Add: Swedish and german catalogs

18 dec 97 Version 1.4

Add: Twin.guide

Add: Twin.guide.info

Add: Twin.english.guide

Add: Twin.english.guide.info

Bug: Peter Suggit told me the program interrupted suddenly in a very special case:

When it was trying to read a file that was put on exclusive lock by another program.

Now Twin will simply ignore these files and continue.

15 dec 97 Version 1.3

Add: option -noinfo

Add: option -clean

Add: option -verbose

Add: option -logfile

13 dec 97 Version 1.2

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Add: localization  
Add: english catalog  
Add: french doc.

12 dec 97 Version 1.0

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