

# AppSizer

**COLLABORATORS**

	<i>TITLE :</i> AppSizer		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 5, 2022	

**REVISION HISTORY**

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## Chapter 1

# AppSizer

### 1.1 AppSizer 0.78a ©1992-1997 Gérard Cornu - Guide summary

AppSizer 0.78a Guide Summary (09-Mar-97)

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## 1.2 AppSizer copyright and other boring stuff

AppSizer - version 0.78a 09-Mar-97

© 1992-1997  
Gérard Cornu  
- Compiled with  
SAS/C ®  
6.57

AppSizer, as well as all the accompanying files, is ©1992-97 Gérard Cornu.

## 1.3 NO warranty for AppSizer

NO WARRANTY

~~~~~

There is no warranty for this software package. Although the author has tried to prevent errors, he can't guarantee that the software package described in this document is 100% reliable. You are therefore using this material at your own risk. The author cannot be made responsible for any damage which is caused by using this software package. ↔

## 1.4 AppSizer distribution

DISTRIBUTION

~~~~~

This software package is freely distributable. It may be put on any media which is used for the distribution of free software, like Public Domain disk collections, CDROMs, FTP servers or bulletin board systems.

In order to ensure the integrity of this software package, distributors should use the complete original distribution. The author cannot be made responsible if this software has become unusable due to modifications of the distribution contents or of the distribution files themselves. There is no limit on the costs of the distribution, e.g. for the media, like floppy disks, streamer tapes or compact disks, or the process of duplicating. Such limits have been proven to be harmful to the idea of freely distributable software, e.g. instead of reducing the price of the floppy disk below the limit, the software was simply removed from the master disk.

Although the author does not impose any limit on the distribution of this software, he would like to express his personal opinions on this

matter:

- \* This software package should be made available to everyone free of charge whenever it is possible.
- \* If you have acquired this software package under normal conditions from a Public Domain dealer on a floppy disk at a price higher than 25FF or US \$5, then you have definitely paid too much. Please don't support this improper profit making any longer and switch to a cheaper source as soon as possible.

-----

```

| "France Festival Distribution" is strictly forbidden to |
| distribute or redistribute AppSizer or any other      |
| file or program created by me, Gérard Cornu.         |
| ~~~~~~

```

## 1.5 Fred FISH and the AmigaLibDisk library

FRED FISH and the AmigaLibDisk Library:

~~~~~

As Fred has been releasing CDROMs from a while now, just choose carefully your Fish CDs retailers, if you don't buy them directly from Fred. Those resellers aren't supposed to make money with them.

## 1.6 Usage restrictions for AppSizer

USAGE RESTRICTIONS

~~~~~

No program, document, data file or source code from this software neither in whole nor in part, may be used on any machine which is used

- \* for the research, development, construction, testing or production of weapons or other military applications. This also includes any machine which is used in the education for any of the above mentioned purposes.
- \* by people who accept, support or use violence against other people, e.g. citizens from foreign countries.

## 1.7 AppSizer requirement

REQUIREMENT

~~~~~

AppSizer needs at least KickStart 37.175 to run, and has been developed and tested with KS 37.175 and WB 38.35 (System 2.1). Version 0.78a has been compiled and tested with KickStart 39.106 and Workbench 40.42. I don't foresee any reason why it shouldn't work with higher versions as well.

If you wish to use localisation, you will need System 2.1 (KS 37.175, WB 38.35) or later.

As regards to localisation, if you would like to do a translation in another language, use the enclosed 'AppSizer.ct' file, then send me

a copy once completed. This will allow me to send you the ←  
resulting  
catalog file and include it in the next release. Thank you in advance.

## 1.8 Installing AppSizer

Installing AppSizer:

~~~~~

Open the Install drawer, then double-click on your language's icon, or one of your choosing (;-).

## 1.9 Introduction to AppSizer

INTRODUCTION

~~~~~

AppSizer is the 'Workbenchised' version of my littl'ol' Sizer utility. Not only is it Workbenchised, but as soon as it is launched it transforms itself into an

AppIcon  
, what a miracle! No... easy, thanks to C= Amiga software people, not forgetting the hardware guys!

I almost forgot to tell you something very important, AppSizer SHOULD be pronounced 'happy sizer' ;-)

## 1.10 AppSizer AppIcon

APPICON

~~~~~

If you need more info about 'AppIcons' have a look in the RCRM Libraries 3rd edition page 359+ (ISBN 0-201-56774-1), or just try

AppSizer and you'll quickly know what an AppIcon is ;-).

## 1.11 Quick description of AppSizer

```

                                DESCRIPTION
~~~~~

AppSizer puts an
    AppIcon
    on your Workbench (see
    configuration
    ).
Once you drop an icon on top of it, the represented object will be 'sized'
and a
    window
    will open to give you the results.

You can drop several icons at once, using multi or extended selection .

```

## 1.12 Description of AppSizer's output window

```

WINDOW OUTPUT
~~~~~

Block size:  512 bytes, for DH0:Locale

Blocks needed to copy on OFS disks .....X           1st line
Blocks needed to copy on FFS disks .....X           2nd  -

Total number of files .....X                       3rd  -
Total number of directories .....X                 4th  -
Total number of bytes in files .....X              5th  -
Actual number of blocks used .....X                6th  -

        Actual size occupied :      237056 bytes
                                231 KB

```

The first line tells you how many blocks are needed to copy those objects to an OFS formatted disk.

And the second one tells you the same thing but for a FFS formatted disk.

To get the number of free blocks available on a disk, click on the disk icon, then choose "Information..." from the "Icons" menu. The number of free blocks is displayed on the top left hand corner of the newly opened window.

You'll notice that AppSizer always gives one more block than the



appropriate number of blocks occupied. AmigaDos will say that the disk is full if it only has an amount of free blocks equal to the number of blocks occupied, for copying. So it seems that AmigaDos wants one more block for its own business and AppISizer takes this 'feature' into account.

I wont explain the 3rd line even if I have to say that it includes the .info file, if any, for each object, and all the files in all the subdirectories, for the fourth one, of course it includes all the subdirectories and sub-sub-sub... directories (if any!) plus the directories given as argument(s).

The 5th line tells you the total number of bytes of all the files and the 6th the actual number of blocks all the files, directories, subdirectories, sub-sub...directories occupy on their respective device. This total includes the user directory blocks, the file header blocks as well as the file list blocks.

Suppose you have 'AppISized' a directory containing 10 files with a size of 256 bytes each. The 5th line will tell you 2560 bytes, but the 6th will say 21 blocks, 10 for the files themselves, plus 1 block for the 'File Header' for each file, plus 1 block for the dir itself, which gives a total of 21 blocks. Suppose the device on which those files are kept have a real block size of 512 bytes, the total occupied will be 10752 bytes.

For each item it scans, 'AppISizer' looks at the block size of the containing device and calculate the occupied size accordingly.

The block size given in the heading of the results is the data block size of each object.

```
*****
*
* Please note that while the data block size for OFS is 488 bytes, this
* is the 'usable' size, the 'raw' size is 512 bytes. A non HD floppy
* has 1758 usable blocks so a raw size of 1758 x 512 = 900096 bytes or
* 879 KB, this doesn't mean that all that is available for your data.
* Some of this is used by 'user direcopy', 'file header'and 'file list'
* blocks. And if you are using OFS (OldFileSystem) for each block of
* data, 24 bytes are used by the filing system.
*
*****
```

## 1.13 Starting AppISizer

STARTING APPISIZER

~~~~~

It can be started either by entering its name in a Shell (preceded by run >NIL:), double-clicking on its icon, or by dropping AppISizer in your WBStartup drawer.

## 1.14 Removing AppSizer

```

                REMOVING APPISIZER
~~~~~

Very easy, just double-click on AppSizer's
        AppIcon
        then click on
'Remove AppSizer'.

```

## 1.15 AppSizer: AppIcon configuration and output window position

```

                CONFIGURING APPISIZER
~~~~~

AppSizer (from version 0.61 onward) supports 5 ToolTypes and 5 command
line options.

The ToolTypes are:

    ICON_PATH
    ICON_XPOS
    ICON_YPOS
    WINDOW_XPOS
    WINDOW_YPOS

The command line template is:

ICON_PATH/K,ICON_XPOS/K/N,ICON_YPOS/K/N,WINDOW_XPOS/K/N,WINDOW_YPOS/K/N:

ICON_PATH is for specifying an alternate
        AppIcon
        , the full path should
be given. The '.info' extension is optional. If this tooltype is not
set or if this path doesn't indicate an icon, AppSizer will use its
internal icon image.

ICON_XPOS and ICON_YPOS are for the X (left position), and Y (top
position) of the internal or external
        AppIcon
        . Please note that if you
specify a position which is already occupied by another icon, or if you
specify either position as 0, or if you supply only one position,
Workbench will place the AppIcon wherever it sees fit.

WINDOW_XPOS and WINDOW_YPOS are for positioning the top left hand corner
of the
        output window
        .

```

The following is only for people who don't know how to use tooltypes:

---

The ones supplied are in the form:

```
(TOOLTYPE_FOO=<quick explanation text>)    <--- note the parentheses  
                                             and the angle brackets
```

If for example you want to use the tooltype ICON\_PATH, you have first to remove the two parentheses, then replace the text and angle brackets by your choice i.e.:

```
ICON_PATH=My_icon_assign:contains/the_nicest_icon  
ICON_XPOS=500  
ICON_YPOS=128  
WINDOW_XPOS=50  
WINDOW_YPOS=25
```

Command line example:

```
run >NIL: AppSizer icon_path=dir:containing/my_icon icon_xpos=500  
icon_ypos=20 window_xpos=120 window_ypos=25
```

Those tooltypes and options were added following suggestions I received from Lucas Janin, thanks Lucas.

## 1.16 Little warning!

WARNING

~~~~~

A quick word about AppSizer and links. Personally I don't use links, not yet, I didn't get time to look at them! So AppSizer has not been tested with soft or hard links. But don't hesitate to give me any information about them and AppSizer's behaviour.

## 1.17 AppSizer author

Send any suggestion, bug report, compliment ;-), DARK ↔  
chocolate

(BLACK, containing at least 69% cocoa!), Bergerac Affiné tobacco, freely distributable software, 256 GB hard disks, A3 48 bits colour scanners, CDROM drives (SCSI 2 only!) and CDROM disks, tape streamers, brand new AMIGA 8000 with RISC CPU, etc..., etc...

OR JUST A POST CARD, to:

G rard CORNU  
11 avenue Edouard Aynard

---

69130 ECULLY  
France.  
(WPC)  
Email: gcornu@serveur.dtr.fr  
Have plenty of nice days! ... me too!  
Shameless plug...

## 1.18 W.P.C.

World People Community ;-)

## 1.19 Looking for some work...

I can translate documentations of commercial program or hardware manuals, from English or American to French. I have a very good knowledge and experience of the Amiga and computing in general.

Send any proposition to:

Gérard Cornu  
11, Avenue Edouard Aynard  
69130 Écully  
(France)

Email: gcornu@serveur.dtr.fr

## 1.20 D.P.A.T.

D.P.A.T  
~~~~~  
French PD library, Domaine Public Amiga Toulouse.  
Started and managed by  
Thierry Colin  
at  
AmigaNews  
.

## 1.21 A bit of history ;-)

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## Version 0.78a:

Problem with locale catalogs fixed.  
Thanks to Olivier Ferrer (OFS) for reporting it.

The Dansk catalog has still a few strings not yet translated, if someone would like to translate them and send me back the file "catalogs/dansk/appisizer.dansk.ct", I would be much grateful. (The strings are at the end of the "catalogs/dansk/appisizer.dansk.ct" file after the comment "TO BE TRANSLATED". Many thanks in advance).

There is also one Deutsch string to be translated (GB). Please see the "catalogs/deutsch/appisizer.deutsch.ct" file.

If you would like to translate the AppSizer.ct file to any other languages not yet in the distribution, please do so and send me the resulting .ct file. Thank you.

## Version 0.78:

Very slight improvement! Replaced calls to AllocMem() for FileInfoBlock by AllocDosObject().

## Version 0.77:

Miscellaneous improvements.

## Version 0.76:

A few improvements dating back a few months, so I don't really remember them! Stack overflow problem removed, thanks to Jérôme Thoen for the bug report.

## Version 0.73:

Some display enhancements. The KB, MB and GB (\*) are now displayed under the Actual size occupied in bytes, instead of next to it. The window's width has thus been reduced.

(\*) Sorry, but AppSizer will give erroneous results over 4 Giga bytes minus 1 byte (4294967295 bytes ;-). An ULONG (unsigned 32 bits integer) can't hold more than that! (see  
    limitation  
    ).

## Version 0.72d:

Same as 0.72 but includes German documentation in AmigaGuide form. (The d in 0.72d stands for Deutsch ;-). Translation done by Hanns Holger Rutz. Thanks Hanns.

## Version 0.72:

AppSizer now tells the

---

number of blocks  
needed to copy the objects  
sized on an OFS and FFS disks.

AppISizer is now localized and supplied with a danish, deutsch and french catalogs.

Versions prior to 0.72:

... amnesia ;-)

If you are that curious, please consults the 'Fish disks'. (See file "Product-Info").

## 1.22 AppISizer's author would like to thank...

(in alphabetical order...)

Amiga For being the best platform to 'work' on. And still alive in spite of some sad facts.

AmigaNews The first French Amiga magazine edited and published on an Amiga.

Aminet Team For THE Aminet.

Bernard & Dominique Kubler For the delicious chocolates.

Christian Marz For sending the Aminet 4 CDROM, for the Mod lists and much more.

Commodore-Amiga's Software and Hardware Teams For improving it.

Fred Fish  
For the much helpful  
AmigaLibDisk library

.

G rard Cornu ;-)  
For the excellent french translations of all of  
AppISizer's documents

;-) ;-) ;-)

.

Jen Allen For the chocolate bars, and everything else.

J r me Chesnot For showing me his nice country in the Pyr n es and for making me discover 'Parapente' through Pierre Nicolas and Ariane.  $\leftrightarrow$   
For all the support and much much more.

And now for R.A.M Magazine, thanks also to Fabrice and ←  
Simon ;-)

Jérôme Thoen  
deep                    For the detailed bug report concerning stack overflow with ←  
directory structures. Thanks Jérôme.

Jørgen Thomsen                    For translating AppISizer's catalog and AppISizer's  
Install script to Danish and for the suggestions.

Joy & John Harding                For their kindness, and for showing me their nice  
Devon country. And much, much more.

Lucas Janin                        For being the first AppISizer's user to tell me so.  
For the support and the suggestions.

Mark J. Lednor                     For supplying me with AmigaLibDisks, and loads of  
Aminet's files.

Patrick Burnand                    For the support and suggestions.

Paul OVERAA                        For an helpful article deciding me to start to  
write Sizer, then AppISizer.

Peter Miles                        For having supplied me with AmigaLibDisks, and everything  
else.

P. E. Barba                        For the support.

SAS/C ®  
Team                    For my preferred compiler environment.

Stefan Becker                    For the indispensable ToolManager, and for letting  
me use his disclaimer.

Thierry Colin                    For the keeping of the  
DPAT  
collection, and for  
having upgraded  
(just kidding!)  
And all the other people for  
supporting me  
and/or the Amiga ;-)

## 1.23 Pour ceux qui manquent d'humour ... ;-)

```

*****
*****
****
****
****
****
****
****
****
****

```

```

          *****                ****
          *****                ****
                                ****
                                ****
          ****                    ****
          ****                    ****
          ****                    *****
          ****                    *****
          ****
          ****

```

### 1.24 Limitation...

AppISizer can only size objects to a maximum of 4 GB minus 1 ← byte  
 (4294967295 bytes) due to the maximum that a ULONG (unsigned 32 bits  
 integer) can hold.

If you 'AppISize' objects over that size, the results displayed by  
 AppISizer will be false because over this maximum the ULONG will  
 'restart' from 0!

If it turns out to be a limitation for you, you can send me your biggest  
 hard disk and I shall think about doing something about it ...  
 ; -)

Note:

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Should not be a problem with version 0.78a, but as I have only 3.6 GB  
 of HD space I was unable to test this!

### 1.25 AppISizer Guide General Index

APPISIZER GUIDE INDEX

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AmigaLibDisk

AppIcon

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Bug report  
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