

CCleaner v4.6 for the Ti-84

The well-known program CCleaner (Piriform) for your pc is now available for the Ti-84 calculator. It's almost the same: it cleans your calc, defrags it and check how many memory is being used (RAM+ROM). CCleaner cleans the following:

- Input
- Reel variables
- Matrices
- Strings
- Lists
- Functions
- Pictures
- Graf databases

In a simple menu you can chose what to be cleaned.

1. How do I Install it.

Just send the group file 'Cleaner9.8xg' to your calculator with your link-cable. Then press 2ND MEM (above the +), press 8 then press the arrow to right, select CCLEANER9 in the list and it should ungrouping. The following program's should be ungrouped: CCleaner, CD and CL. Also there will be one list-file ungrouped: LCC. Now you have CCleaner on your calc.

```
MEM MGMT          MEM MGMT          GROUP UNGROUP    GROUP UNGROUP    Ungrouping:
1:About           2:Mem Mgmt/Del... 1:Create New     1:*CLEANER9      CLEANER9
2:Mem Mgmt/Del... 3:Clear Entries   2:*COMPRO64     2:*COMPRO64     CCLEANER PRGM
3:Clear Entries   4:ClrAllLists     3:Create New     3:COMPRO64      CD PRGM
4:ClrAllLists     5:Archive         4:Create New     4:COMPRO64      CL PRGM
5:Archive         6:UnArchive       5:Create New     5:COMPRO64      LCC LIST
6:UnArchive       7:Reset...        6:Create New     6:COMPRO64      Done
7:Reset...        8:Group...        7:Create New     7:COMPRO64
```

2. Working with the program

First press PRGM and the choose CCleaner from the list:

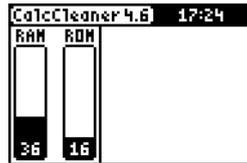
```
EDIT NEW          PrgmCCLEANER
1:CCLEANER
2:CD
3:CL
4:COMPRO
5:ELEK
6:*ZTRIS
```

Press ENTER.

Note: The program won't startup if you haven't got enough free RAM:

```
Not enough
free memory!
Done
```

If the program started up you'll see the home screen:

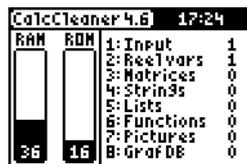


CCleaner is now in wait state: the left box shows how many RAM is used and the box right to it shows how many ROM is used. In the upper right corner is the time shown. To continue simply press ENTER:



You can press multiply buttons now: F3 (ZOOM) to enter the edit-mode, F4 (TRACE) or F5 (GRAPH) to clean your calc and CLEAR to quit CCleaner.

First press F3 so you can choose what to be removed from your calc (REMEMBER: archived variables won't be removed!):



By pressing the numbers from 1 to 8 you can choose what to clean. Nothing will be deleted now. If there is a 0 at the end, it will not be cleared when running the cleaner tool, only if there is a 1 at the end. So choose carefully those things you want to be delete from your calc:



In the example everything will be cleared when running the cleaner. You leave the edit mode if you press ENTER, so you will return to the home screen. Just press ENTER again, and then hit F4 or F5 to clean the calc, when done cleaning 'press enter' will appear in the progress bar. You also see what is cleaned: when it's lined trough it's not removed.



That's it! I think there aren't any bugs in it, but if you find one email me at mathieu_dz@hotmail.com .

Note: if someone could write this in full assembly it would be very nice I think :d You should use a real mouse like in DoorsCS. Also I want a real defragging tool, like that from piriform: defragger. And an option to exclude variables to be cleaned...

Latest updates in last version 3:

- GUI updated
- Time added
- CCleaner doesn't startup anymore when you haven't got enough free RAM
- Error when didn't shutdown correctly last time

Latest updates in last version 4:

- Reduce in file size
- Whole new GUI
- Doesn't delete archived variables
- CCleaner Image in DoorsCS
- Minor changes