

# Projects

These are recent programs related to HC computers.

[Home](#)

[Documentation](#)

[Software](#)

**Projects**

[Pictures](#)

[Links](#)

[HCDisk 2.0](#)



```

HCDisk 2.0, (C) George Chirtoaca, compiled on Sep  5 2014 10:46:23.
Type ? for help.
>?
This program is designed to manipulate older file systems on a modern PC,
especially, but not limited to, the ones related to Sinclair Spectrum comput
help ? - Command list, this message
fsinfo - Display the known file systems
stat - Display the current file system parameters
open - Open disk or disk image
- <drive|image>: The disk/image to open
- [-t]: The number of file system type to use
close - Close disk or disk image
ls dir - List directory
- [<folder>\>file spec.]: filespec: *.com or 1\*, etc
- [-sn|-ss|-st]: Sort by name|size|type
- [-ne]: Don't show extended info, faster
get - Copy file(s) to PC
- [<"]filespec[">]: * or *.com or readme.txt, "1 2", etc
- [-t]: Copy as text
type cat - Display file
- <file spec.>: * or *.com or readme.txt, etc
- [-h]: display as hex
copydisk - Copy current disk to another disk or image
- <destination>: destination disk/image
put - Copy PC file to file system
- <source file>: the file to copy
- [-n newname]: name for destination file
- [-d <destination folder>]: file folder
- [-s start, -t p|b|c|n file type]: Spectrum file attributes
del rm - Delete file(s)
- <file spec.>: the file(s) to delete
ren - Rename file
- <file name>: the file to rename
- <new name>: new file name
! - Execute DOS command after '!'
- <DOS command>: ! dir, ! mkdir, etc
tapplay - Play the tape into a wav file
- [-w]: play to a .wav file instead of realtime
tapexp - Exports the files to a tape image
- <.tap name>: the TAP file name
- [file mask]: the file name mask
tapimp - Imports the TAP file to disk
- <.tap name>: the TAP file name
- [file mask]: the file name mask
saveboot - Save boot tracks to file
- <file name>: output file
loadboot - Load boot tracks from file
- <file name>: input file
format - Format disk
- <disk/image>: disk/image
- [-t]: Format number to pre-select (from fsinfo command)
exit quit - Exit program
>

```

1. What is it?

HCDisk is a tool able to transfer files to and from several file systems Specific to the Sinclair Spectrum computer and clones.

2. What can it do?

It can understand these file systems:

- CPM - Spectrum +3 and various clones (HC, CoBra)
- +3 BASIC (CPM based)
- Betadisk TR-DOS
- Miles Gordon Technologies +D
- Opus Discovery

- ICE Felix HC BASIC (Romanian clone, CPM based)
  - ICTI CoBra Devil FS (Romanian clone)
  - Electronica CIP-04 (Spectrum +3 clone from Romania, with 3.5 disk drive)
- File systems based on CPM are read-write, the others are read only (for now).

Several disk image types are supported:

- Physical disks inserted into the PC floppy drive
- RAW, including TRD, MGT, OPD
- DSK/EDSK
- CQM (read only)
- SCL (read only)
- Tape images: TAP, TZX

Note: For accessing floppy disks in physical drive, you need Simon Owen's fdrawcmd driver:  
<http://simonowen.com/fdrawcmd/> .

It also includes file conversion for Spectrum Specific files, to be viewed on PC:

- converts Spectrum BASIC programs to BASIC source code
- converts Spectrum SCREEN\$ files to animated GIFs
- includes a disassembler for CODE files
- includes a hex viewer

## HC 2000 Emulator for Sinclair Spectrum +3 by Rares Atodiresei

HC 2000 emulator that runs on Sinclair Spectrum +3. It has floppy disk support. It consists on IF1 ROM patches that change the floppy disk access ports to those used on +3. It also relies on writable memory provided by Multiface interface. Tested on Spectaculator. [Download](#)

## Fuse Emulator

Modified for HC disk access by Alex Badea, **now with CP/M support**.

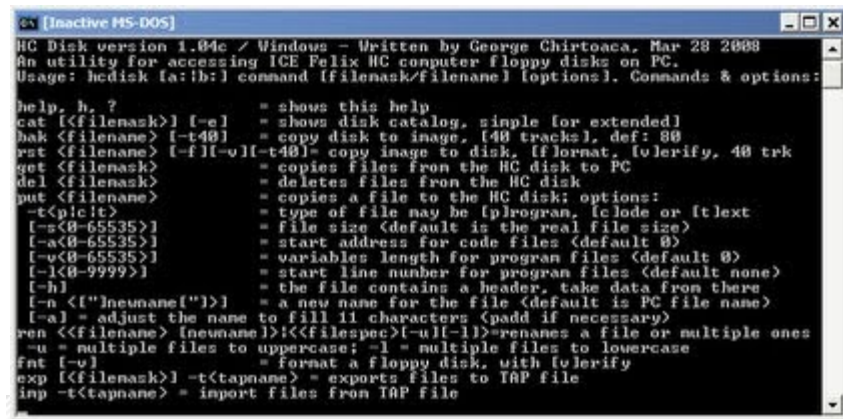
Update 14.05.2013: fuse-emulator-svn-hc2000-v2.7z - based on Fuse 1.1.0

[Download](#)

## HC Disk

This one can be used to transfer files to and from HC floppy disks inserted into a PC floppy. Can also read/write disk images, format disks and export files to TAP format for use in emulators.

Download: : [HCDisk 1.04b](#)



```

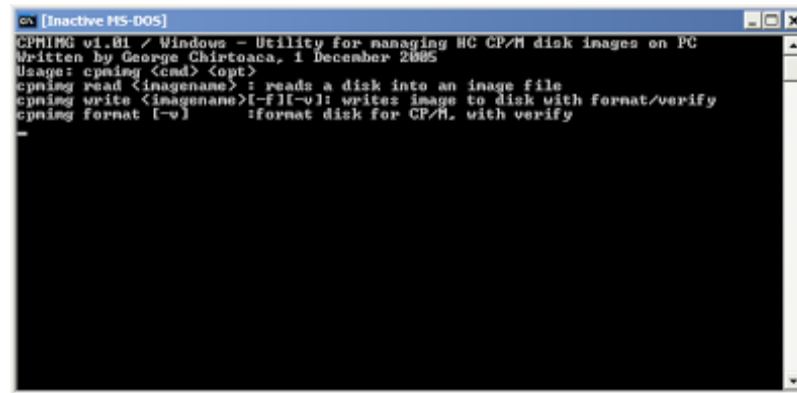
[Inactive MS-DOS]
HC Disk version 1.04e / Windows - Written by George Chirtoaca, Mar 28 2008
An utility for accessing ICE Felix HC computer floppy disks on PC.
Usage: hcdisk [a:b:] command [filename] [options]. Commands & options:

help, h, ?           = shows this help
cat [[<filename>] [-e] = shows disk catalog, simple for extended]
bak <filename> [-t40] = copy disk to image, [40 tracks], def: 80
rst <filename> [-f][-v][-t40] = copy image to disk, [format, [verify, 40 trk
get <filename>         = copies files from the HC disk to PC
del <filename>         = deletes files from the HC disk
put <filename>         = copies a file to the HC disk; options:
    -t<plc!t>         = type of file may be [p]rogram, [c]ode or [t]ext
    [-s<0-65535>]     = file size (default is the real file size)
    [-a<0-65535>]     = start address for code files (default 0)
    [-v<0-65535>]     = variables length for program files (default 0)
    [-l<0-9999>]     = start line number for program files (default none)
    [-h]              = the file contains a header, take data from there
    [-n <["]newname["]>] = a new name for the file (default is PC file name)
    [-a]              = adjust the name to fill 11 characters (padd if necessary)
ren <[filename] [newname]>[!<<filespec>][-u][-l]> renames a file or multiple ones
    -u = multiple files to uppercase; -l = multiple files to lowercase
fmt [-v]              = format a floppy disk, with [verify]
exp [[<filename>] -t<tapname>] = exports files to TAP file
inp -t<tapname>       = import files from TAP file
  
```

## CPM Img

This one can be used to read and write image files of HC CP/M floppy disks inserted into a PC floppy drive. It can also format disks into HC CP/M format.

Download: : [CPMIMG 1.01](#)



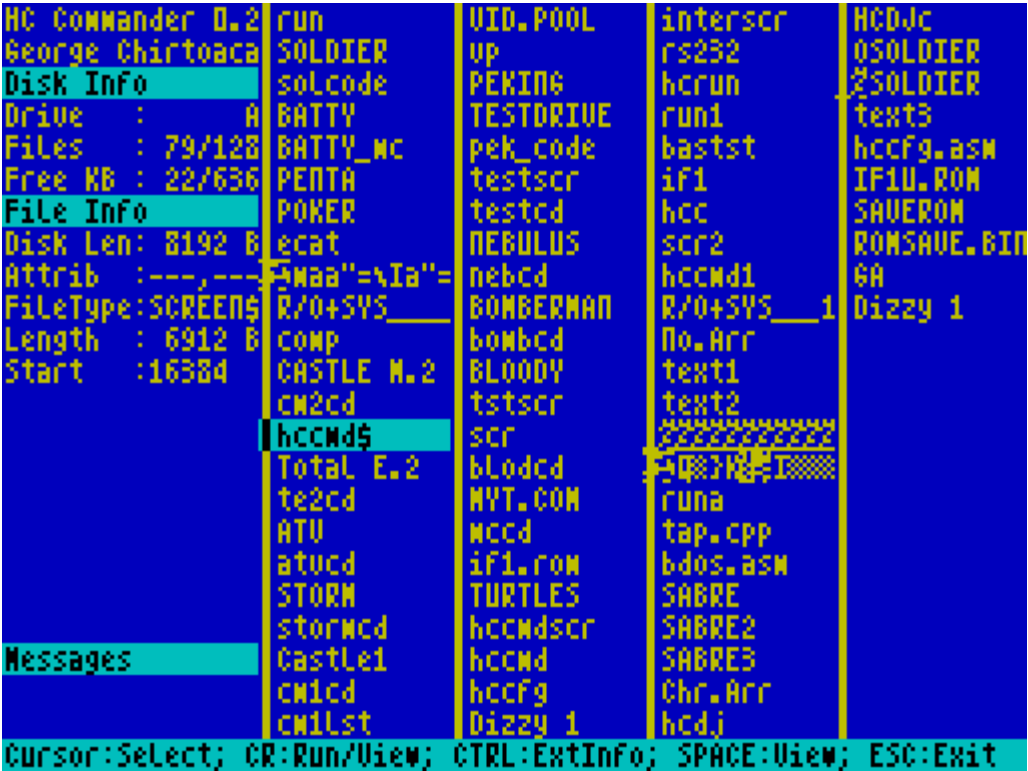
```

[Inactive MS-DOS]
CPMIMG v1.01 / Windows - Utility for managing HC CP/M disk images on PC
Written by George Chirtoaca, 1 December 2005
Usage: cpmimg <cmd> <opt>
cpmimg read <imagenam> : reads a disk into an image file
cpmimg write <imagenam>[-f][-v]: writes image to disk with format/verify
cpmimg format [-v]      :format disk for CP/M, with verify
  
```

Both of the above programs need installation of Simon Owen's floppy disk driver found here: <http://simonowen.com/fdrawcmd/> .

## HC Commander

Fast Norton Commander-like file explorer for HC.



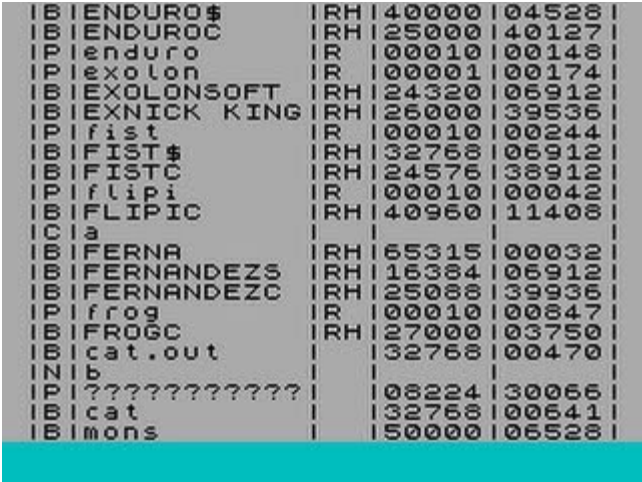
[Download](#)

### HC Extended Cat

This utility is running on HC and displays detailed information about each file from the floppy disk. Info is: file number, file name, file attributes, start line/start address, exact file length.

Source code is included. Can be assembled with [SJAsmPlus](#) or [Pasmo](#) cross assemblers. It illustrates HC disk access from assembler.

Download: [HCExtCat.rar](#)



### HC RUN - Rares Atodiresei



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