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**DirSys v0.8 Beta**

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This program has no ambition to be a file manager, although it is visually quite reminiscent of it.

It is only used to easily select and run the program.

It was necessary to make it possible to create a clear structure sorted in drawers according to one's own needs.

To run the program, you must open the desired record and use the AutoStart function, or select the exact file and press Return to open it.

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**Installation:**

You need an installed boot block, set to boot from record 1. DirSys will be installed on record 1, all files on it will be deleted.

If a DirSysData file is detected, only the main program will be replaced.

If there is DOS on record 1, it will be used, but if it is not, one of the three versions will be used,

depending on the manual system selection (AtomClassic / AtomLite / Trinity).

Insert the DirSys\_Install disk into the floppy drive, or copy its contents to any record except 1.

Then run the "AutoInstal" file from the DirSys\_Install floppy disk, or from a record with his copy.

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**Installed files:**

**DirSys can work in two modes according to whether Record1 is protected or not.**

Protect Record 1 : DirSys =Read only, disables all functions that require writing to disk. For safety file searching and loading.

Protect Off Record 1 : DirSys =Read & Write functions are enabled for editing, creating new drawers, or deleting unnecessary drawers and records.

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**Use of the record 1:**

Side\_0: Sectors 0 to 799 = Normal B-Dos

Side\_1: Sectors 800 to 1599 = DirSysData Drawers 0 to 799 (0=Root)

On slot 80 is DirSysData (FileType=&18=DirSysData)

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**Drawer sector:**

0,1 Type 0=NoUse, 1=Drawer

1,1 Pad &00

2,2 Parental drawer Lo,Hi

4,16 Name padded with spaces, can be the same as Record name or other Drawer name

20,492 List of Record and Drawer numbers (164\*3 bytes) Hi,Md,Lo

&abcdef where:

&a =Type 0=NoUse,1=Drawer,2=Record, (4=Protected,8=Hide)

& b =Unused=0, ready for future

& cdef=Number of Record (1=65535) or Drawer (1-799)

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**Slot capacity:**

Root 164 Drawers or Records + 65535 unslotted records

Drawer 164 Drawers or Records

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**File tags:**

D = Drawer

R = Record

r = unslotted record displayed only in Root drawer

01-80 = files on record

Inverse displayed file number indicates Protected File.

Inverse displayed file name indicates Hidden File.

Inverse displayed file length indicates Compressed File (MasterDOS SaveMode 2 or 3).

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**ControlKeys:**  Main Menu

6/Left = Left Left

7/Right = Right Right

8/Down = Down

9/Up = Up

0/Cntrl/Space = Menu/Hold Select

Return = Open Select

Esc = Quit Quit

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Hold\_U/Hold\_D = PositionChange

Hold\_L/Hold\_R = Move

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**DirSys\_Menu:**

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DRAWER: RECORD: Special:

(Dir/Rec/rec) (Files) (All Types)

Cancel Cancel Cancel

Open Open ProtectOn

NewDrawer AutoStart ProtectOff

Rename -Rename RenameDisk

Remove/Format\_rec -Erase Floppy>Rec

Special Special Rec>Floppy

Exit Exit Exit

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Floppy>Rec copy floppy disk to selected record, sector by sector, but does not add "BDOS" id string !

Rec>Floppy copy selected record to floppy disk, sector by sector, but need formated disk !

RenameDisk rename RootDrawer (Disk)

Rename\_Drawer rename selected drawer

Rename\_Record renames selected record and sets "BDOS" id string to Track 0, Sector 1, Bytes &E8-&EB. For NoDos disk use rename before SectorCopy.

No need change the name for set "BDOS" id string.

As BASIC command RENAME, it also change the disk name in the record Track 0, Sector 1,Bytes &D2-&DB + &FA-&FF.

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**Known Bugs:**

01 LastRecord\_Short does not work correctly, can be only one side or less. (Floppy>Rec, Rec>Floppy, FreeSpaceCalculation)

02 Fix 261122 Bug in end of directory test from Record.

03 Bad Size for some MasterDosDir files.

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**NotImplemented or ToDoList:**

-File\_ProtectOn

-File\_ProtectOff

-File\_Erase in Rec/rec

-File\_Rename in Rec/rec

-File\_ChangePos in Rec/rec

-File\_Copy from Rec/rec to Rec/rec

-Floppy>Rec:If exists "BDOS" id then Rename "OldName" to "&D2-&DB + &FA-&FF" (Peek &D2: "\*"=NoName, Bit7=Protect)

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ErrorMessages

29.06. Main OpenRecord E\_05: "No BDOS signature on this record. You can use Rename to place it on this record."

30.06. Main DrawerMove\_D E\_01: "Record 1 is protected. All write operations are disabled."

Main DrawerMove\_R E\_01: "Record 1 is protected. All write operations are disabled."

Main DrawerMove\_r E\_01: "Record 1 is protected. All write operations are disabled."

E\_03: "Not a free slot in destination drawer."

Menu OpenRecord E\_05: "No BDOS signature on this record. You can use Rename to place it on this record."

Menu NewDrawer E\_01: "Record 1 is protected. All write operations are disabled."

E\_03: "Not a free slot in destination drawer."

E\_04: "All 800 drawers are used."

Menu DrawerRename E\_01: "Record 1 is protected. All write operations are disabled."

Menu RecordRename E\_01: "Record 1 is protected. All write operations are disabled."

E\_02: "Record N is protected.

Menu recordRename E\_01: "Record 1 is protected. All write operations are disabled."

E\_02: "Record N is protected.

31.07. Menu DiskRename E\_01: "Record 1 is protected. All write operations are disabled."

Menu DrawerRemove E\_01: "Record 1 is protected. All write operations are disabled."

Menu RecordRemove E\_01: "Record 1 is protected. All write operations are disabled."

Menu recordFormat E\_01: "Record 1 is protected. All write operations are disabled."

E\_02: "Record N is protected.

Menu Floppy>Rec E\_01: "Record 1 is protected. All write operations are disabled."

E\_02: "Record N is protected.

E\_00: "Are you sure? (Y/N)"

NotImplemented E\_06: "Read error." -No disk in drive 1.

NotImplemented E\_07: "Read error." -Bad disk.

Menu Rec>Floppy E\_01: "Record 1 is protected. All write operations are disabled."

E\_00: "Are you sure? (Y/N)"

NotImplemented E\_08 "Write error." -No disk in drive 1.

NotImplemented E\_09 "Write error." -Bad disk.

NotImplemented E\_0A "Write error." -Protected disk. (Mechanical only ?)

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Progress:

v0.2: 30.07.2022 SetList\_Rec EndOfDirectory on slot with FileType=&00 and FileName starts with &00.

(Show installed Lemmings without bugs.)

v0.3: 31.07.2022 Add ProtectOn & ProtectOff instead of SetDrive2A & SetDrive2B

Change SetDrive to Special

Implemented All\_? ErrorMessages without from BDOS\_Errors

v0.4: 06.08.2022 Added inversion print for indication ProtectedFile, HiddenFile, CompressedFile.

Added OpenScreen$ compressed with MasterDOS+MasterBasic SaveMode 2 or 3.

v0.5: 11.08.2022 Combination of SetList and SetWinMid for 15% speed up of movement in the record.

AtomClassic is FASTER than AtomLite! (22s vs 23s)

10.09.2022 For AL add device identifier "C" & "D" after Atom "A" & "B"

11.09.2022 ZX palette NoBright =&AA/&D8/&EE Sam: 4/6 6

=170/216/238 Sam: 4.66/5.92/6.53

Bright =&FF Sam: 7 7

17.09.2022 Change SectorCopy to Side1 then Side2 (Better for last short record)

Minor changes in DosErr

v0.6 17.11.2022 Changed Device&Drive identification mark from D2A: to A: (and B: or C: and D:).

10.01.2023 BugFix: Test DirectoryEnd

v0.7 03.05.2023 BugFix: FileLen for FileTypes ZX-Snap48 and ZX-Snp128

25.03.2024 BugFix: Show bad AutoStart Addr in FileType\_Code with AutoStart (SL\_Rec\_SWM\_13:)

v0.8 30.12.2024 BugFix: If "MasterDosDir\_Name" = "File\_Name" then HGTHD returns Error\_&5E (Wrong file type).

BugFix: Print bug when name contain &00 after valid character.

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