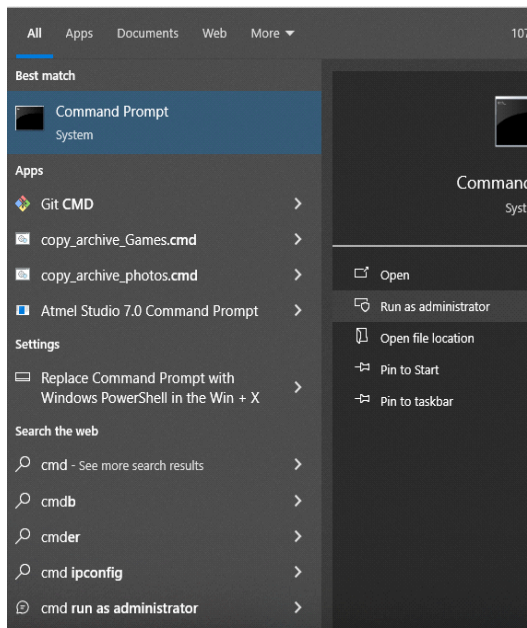# 1. Disk cleanup.

- Run Command Prompt as Administrator
- Find your CF-card entering "list disk"
- Select the disk using "select disk X", where X is your disk number.
- Enter "clean" command, then "exit".

2. Partitioning the disk in WinUAE.

Sometimes WinUAE needs to be run "as Administrator."

Use the following configuration.

[A500 partitioning] - WinUAE Properties

Settings
- About
- Paths
- Quickstart
- Configurations
- **Hardware**
  - CPU and FPU
  - Chipset
  - Adv. Chipset
  - ROM
  - RAM
  - Floppy drives
  - CD & Hard drives
  - Expansions
  - RTG board
  - Hardware info
- **Host**
  - Display
  - Sound
  - Game ports
  - IO ports
  - Input
  - Output
  - Filter
  - Disk swapper
  - Miscellaneous
  - Pri. & Extensions

☐ Compatible Settings

Battery Backed Up Real Time Clock

◉ None ○ MSM6242B ○ RF5C01A ○ A2000 MSM6242B `0`

CIA-A TOD Clock Source

◉ Vertical Sync ○ Power Supply 50Hz ○ Power Supply 60Hz

Chipset Features

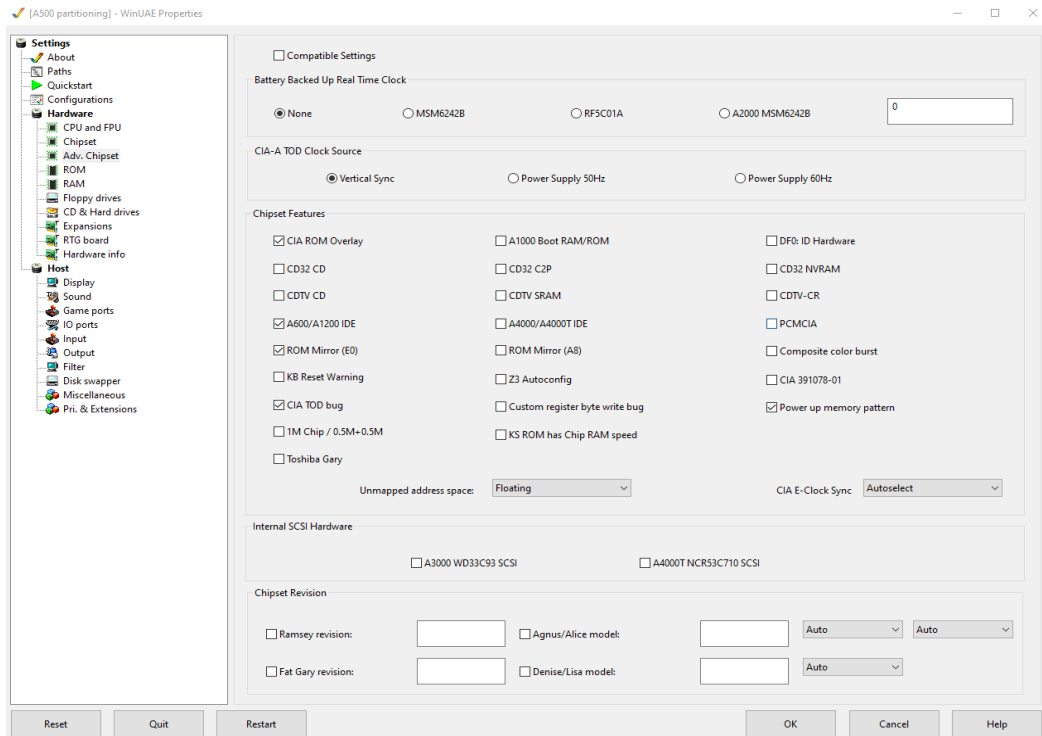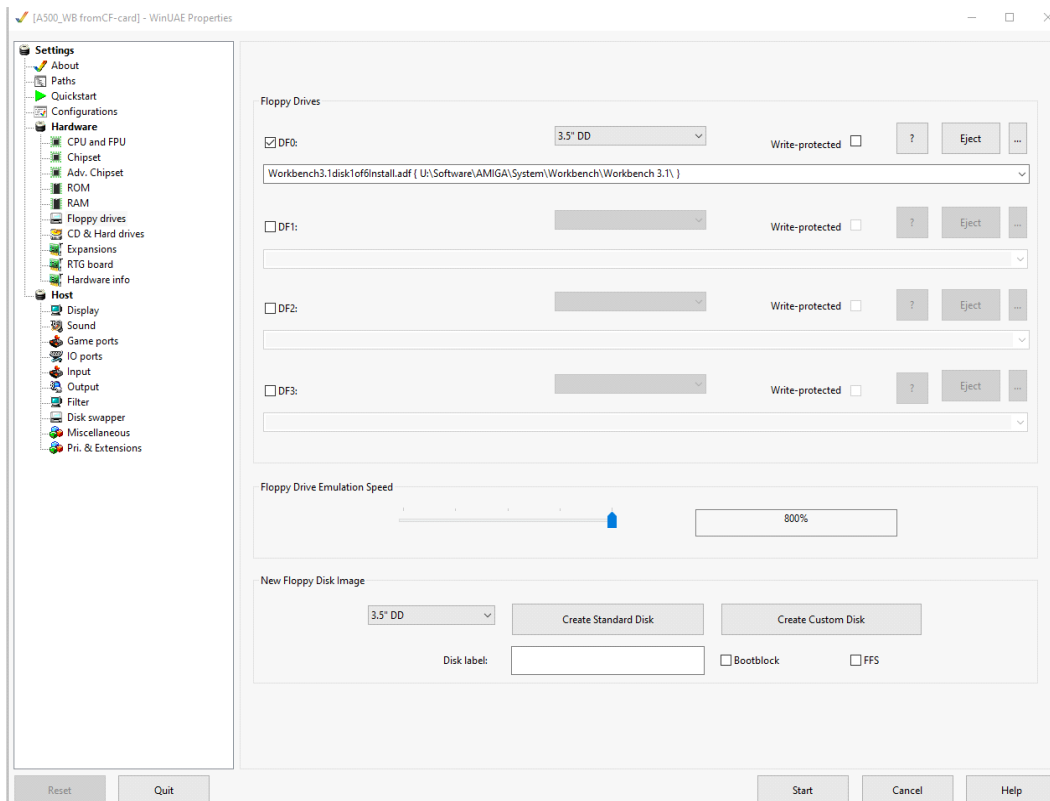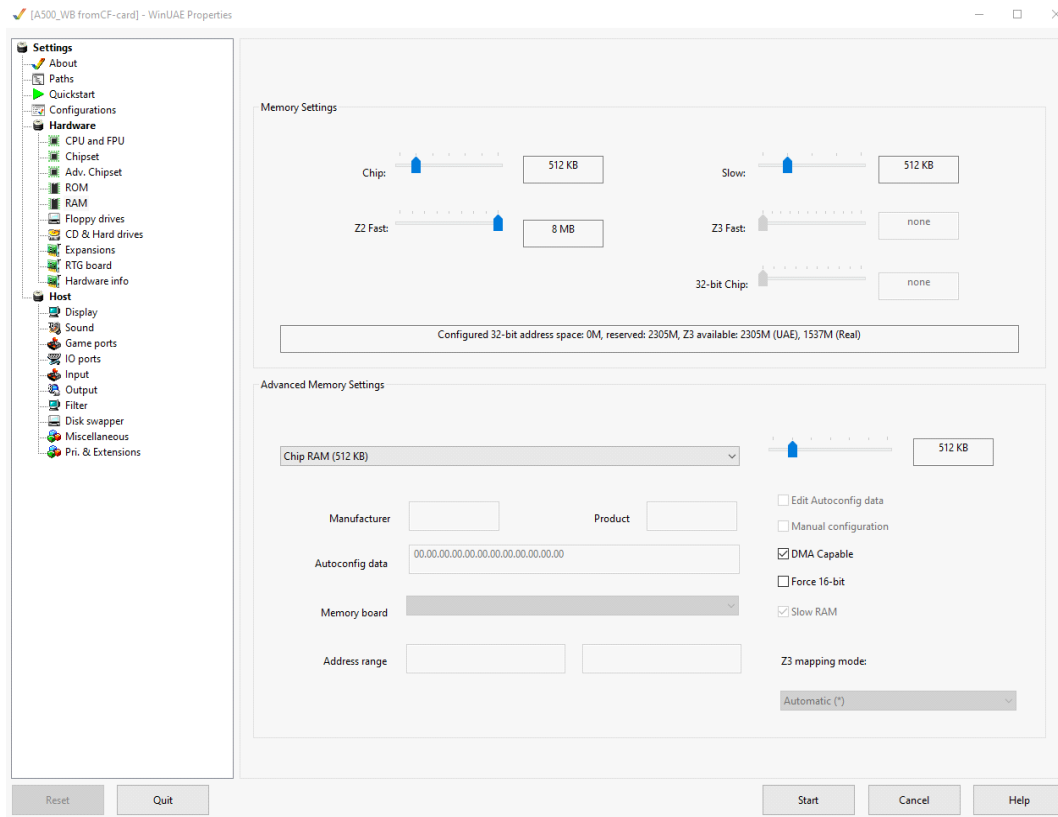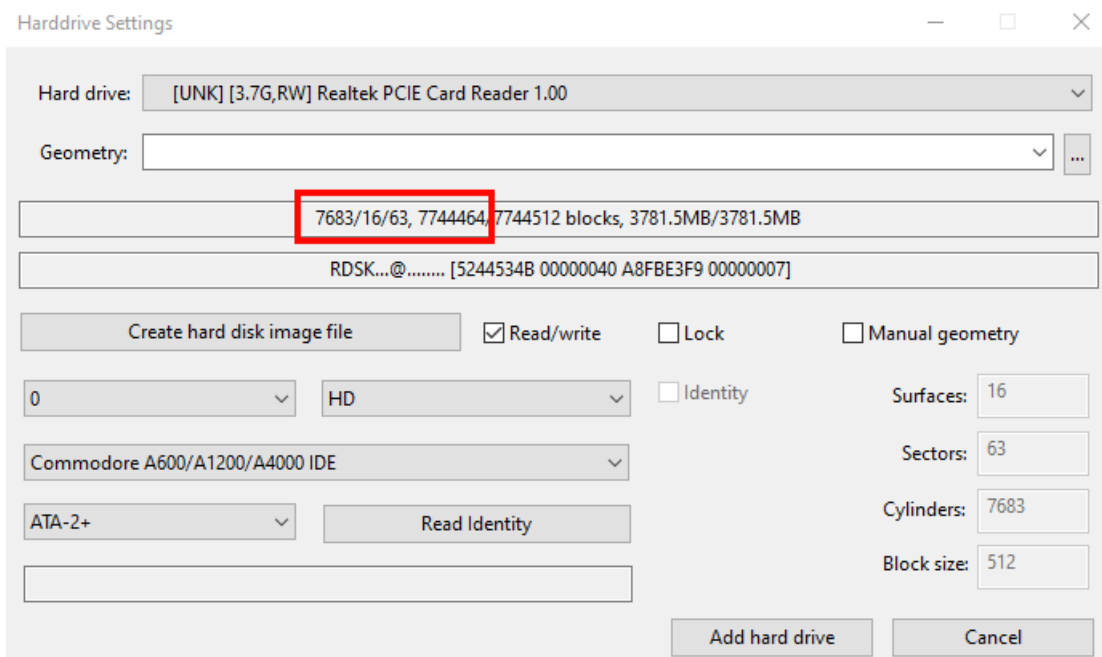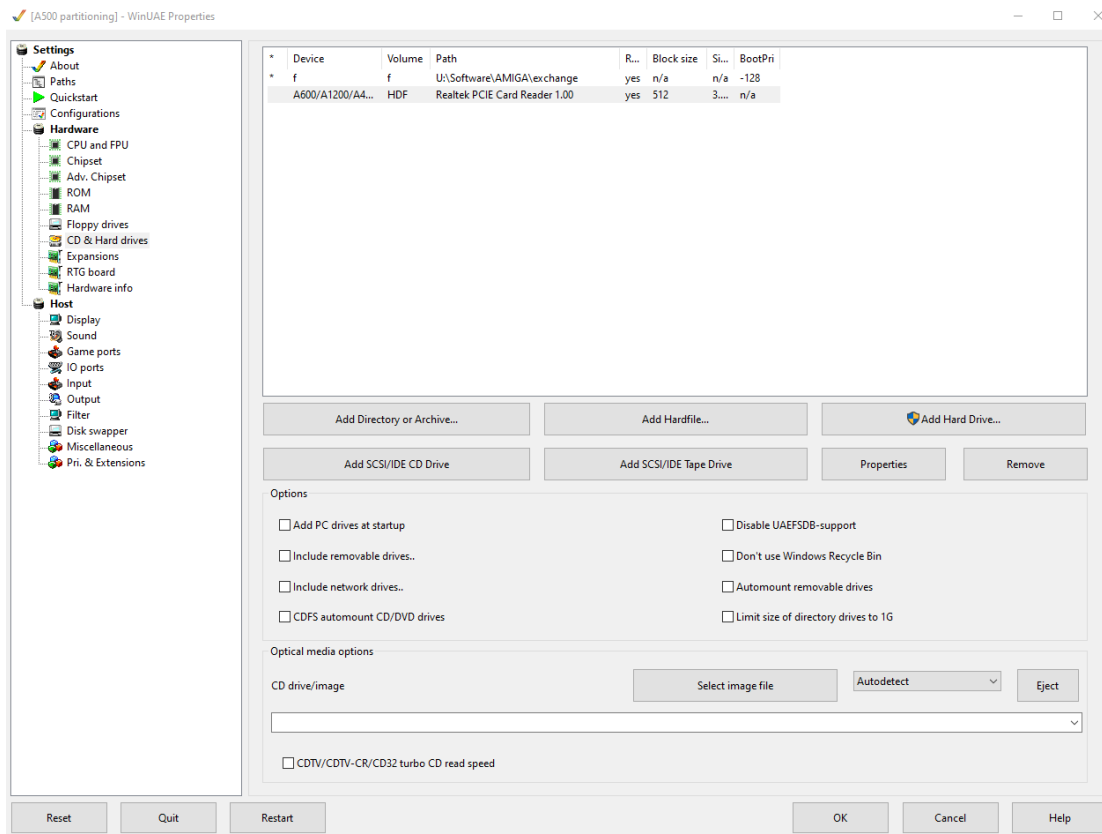|		
☑ CIA ROM Overlay	☐ A1000 Boot RAM/ROM	☐ DF0: ID Hardware
☐ CD32 CD	☐ CD32 C2P	☐ CD32 NVRAM
☐ CDTV CD	☐ CDTV SRAM	☐ CDTV-CR
☑ A600/A1200 IDE	☐ A4000/A4000T IDE	☐ PCMCIA
☑ ROM Mirror (E0)	☐ ROM Mirror (A8)	☐ Composite color burst
☐ KB Reset Warning	☐ Z3 Autoconfig	☐ CIA 391078-01
☑ CIA TOD bug	☐ Custom register byte write bug	☑ Power up memory pattern
☐ 1M Chip / 0.5M+0.5M	☐ KS ROM has Chip RAM speed	
☐ Toshiba Gary		

Unmapped address space: `Floating ▾`   CIA E-Clock Sync `Autoselect ▾`

Internal SCSI Hardware

☐ A3000 WD33C93 SCSI   ☐ A4000T NCR53C710 SCSI

Chipset Revision

☐ Ramsey revision: `____` ☐ Agnus/Alice model: `____` `Auto ▾` `Auto ▾`

☐ Fat Gary revision: `____` ☐ Denise/Lisa model: `____` `Auto ▾`

[Reset] [Quit] [Restart]   [OK] [Cancel] [Help]

[A500_WB fromCF-card] - WinUAE Properties

Settings
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- **Hardware**
  - CPU and FPU
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System ROM Settings

Main ROM file:
`D:\amiga\ROMS\Kickstart v3.1 Rev 40.063(A500, A600, A2000).rom ▾` `...`

Extended ROM file:
`_____ ▾` `...`

☐ MapROM emulation   ☐ ShapeShifter support

Advanced Custom ROM Settings

`ROM #1 ▾`   Address range `_____` `_____`

`_____` `...`

Miscellaneous

Cartridge ROM file:
`_____ ▾` `...`

Flash RAM or A2286/A2386SX BIOS CMOS RAM file:
`_____` `...`

Real Time Clock file
`_____` `...`

Advanced UAE expansion board/Boot ROM Settings

Board type: `Original UAE (FS + F0 ROM) ▾`

[Reset] [Quit]   [Start] [Cancel] [Help]

Settings
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- Quickstart
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Memory Settings

Chip: [512 KB] Slow: [512 KB]

Z2 Fast: [8 MB] Z3 Fast: [none]

32-bit Chip: [none]

Configured 32-bit address space: 0M, reserved: 2305M, Z3 available: 2305M (UAE), 1537M (Real)

Advanced Memory Settings

Chip RAM (512 KB)   [512 KB]

Manufacturer [   ]   Product [   ]   ☐ Edit Autoconfig data

Autoconfig data [00.00.00.00.00.00.00.00.00.00.00.00]   ☐ Manual configuration

☑ DMA Capable

Memory board [   ]   ☐ Force 16-bit

☑ Slow RAM

Address range [   ] [   ]   Z3 mapping mode:

Automatic (*)

[Reset] [Quit]   [Start] [Cancel] [Help]

Floppy Drives

☑ DF0:   [3.5" DD]   Write-protected ☐   [?] [Eject] [...]

Workbench3.1disk1of6Install.adf { U:\Software\AMIGA\System\Workbench\Workbench 3.1\ }

☐ DF1:   [   ]   Write-protected ☐   [?] [Eject] [...]

☐ DF2:   [   ]   Write-protected ☐   [?] [Eject] [...]

☐ DF3:   [   ]   Write-protected ☐   [?] [Eject] [...]

Floppy Drive Emulation Speed

[800%]

New Floppy Disk Image

[3.5" DD]   [Create Standard Disk]   [Create Custom Disk]

Disk label: [   ]   ☐ Bootblock   ☐ FFS

[Reset] [Quit]   [Start] [Cancel] [Help]

In "CD and Hard drives" add your shared folder with "pfs3aio" as drive "f" and add a CF-card as A600/A1200/… IDE.
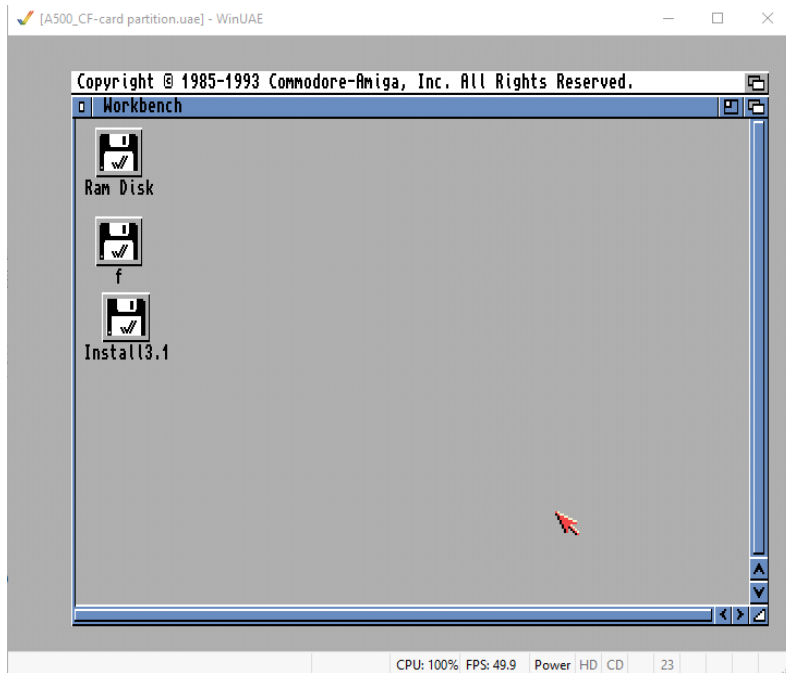
Press "Add hard drive".

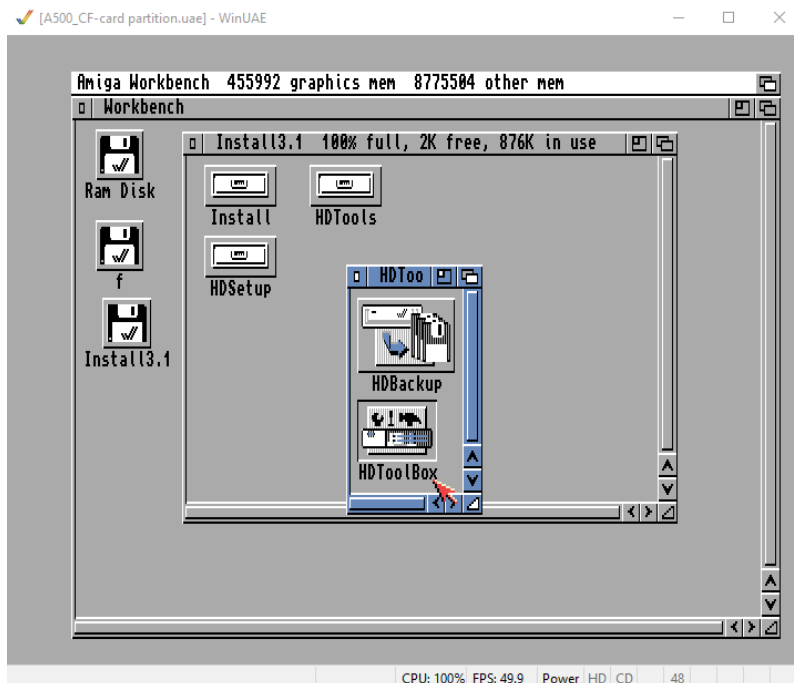**All other settings keep by default.**

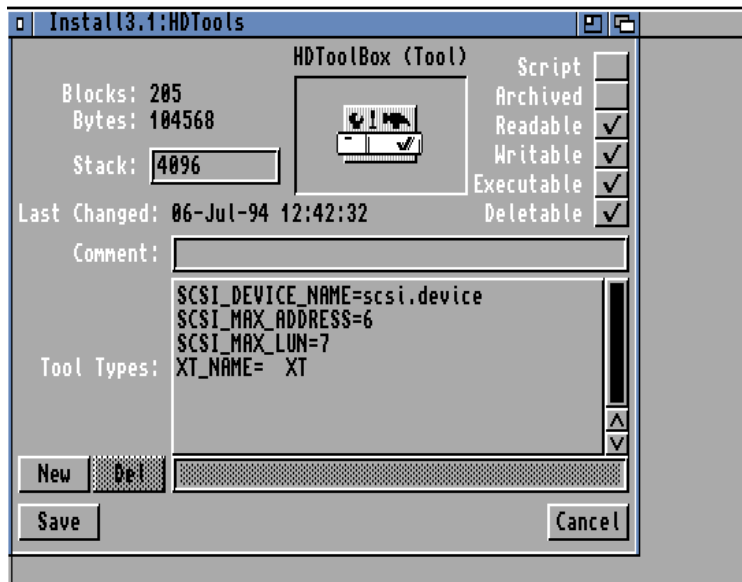**Press "Start"**

3. Partition the drive in Workbench.

Load Workbench from "Install" floppy.

Open "Install 3.1\HDTools", select HDToolBox.
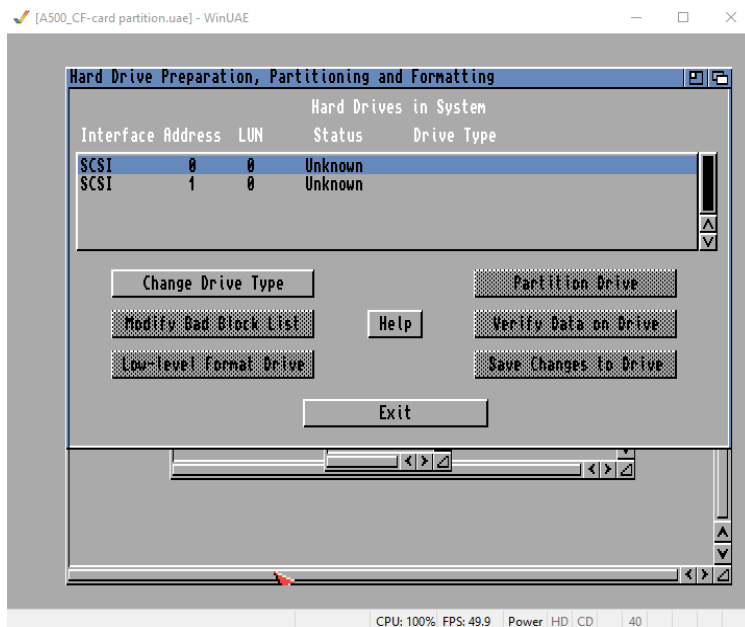

Right-click on it, select "Icons\Information".

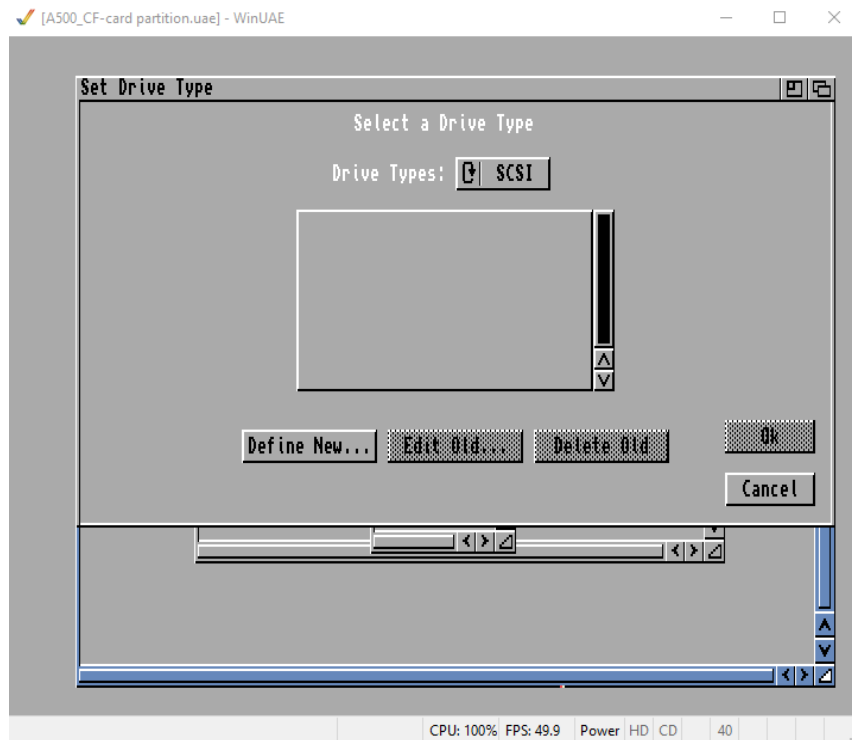Check **SCSI_DEVICE_NAME** is set to **scsi.device**.

Note:

- For real Amiga 600/1200 it shall be **scsi.device**.

- For **Oktagon** IDE controller it shall be **oktagon.device**. [Important]

Run HDToolBox:

Press "Change Drive type". Delete all old configurations (not mandatory).

Press "Define New". Then press "Read configuration".
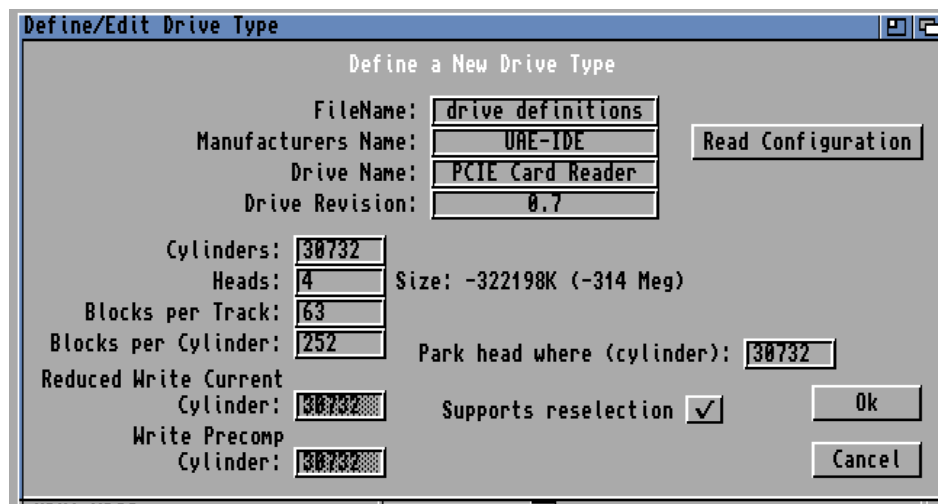
Change CHS **using your card values if they are not matching**.
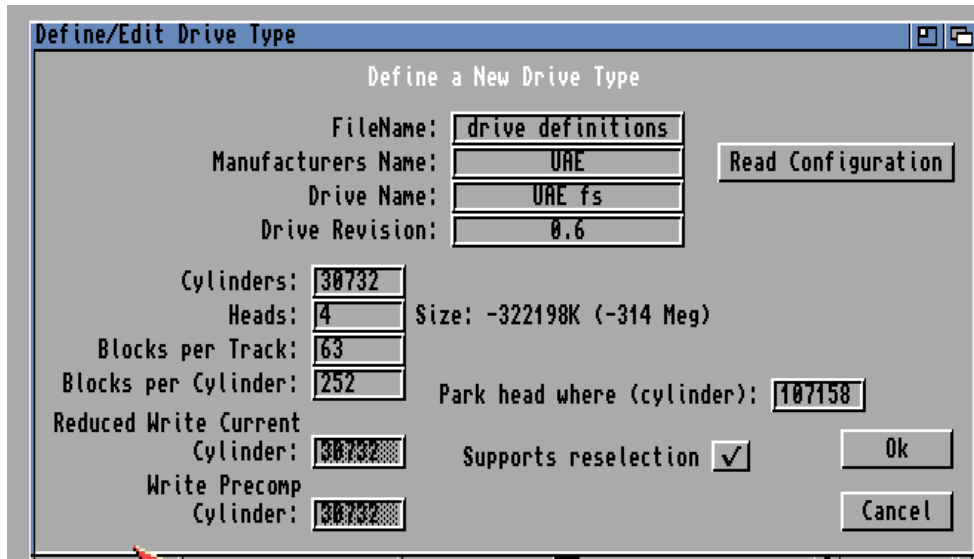
Below is my example.

Cylinders = 30732
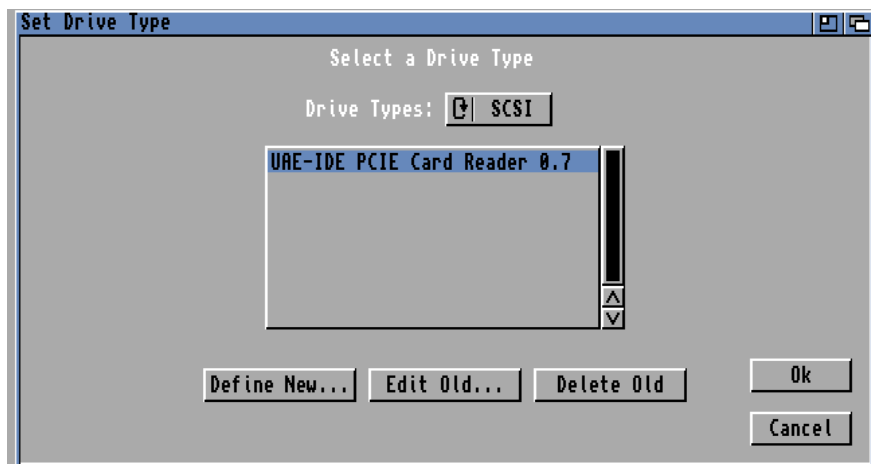
Heads = 4

Blocks per track (sectors) = 63

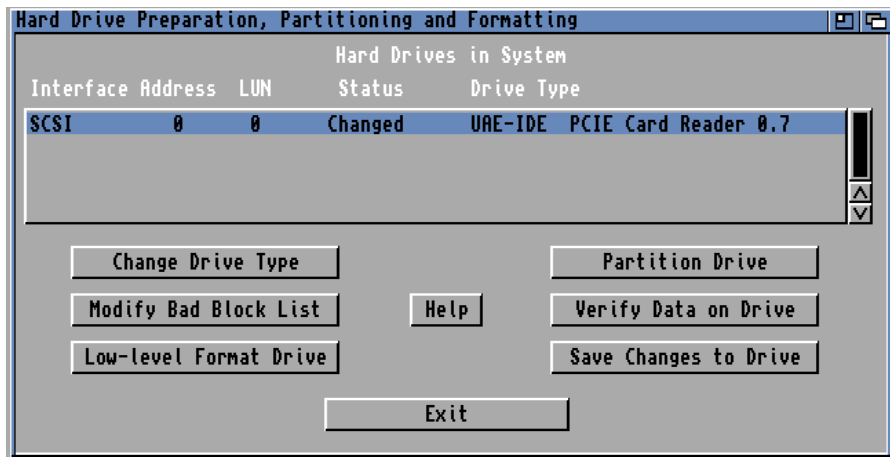Blocks per cylinder = Sectors * Heads = 252

Ignore weird size value.

Note: Every time changing any value **PRESS ENTER**!

Press "Ok".

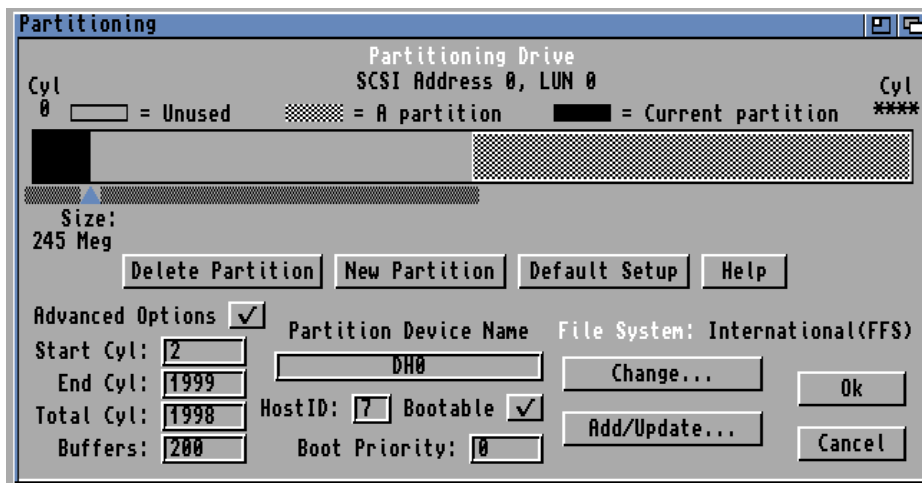Press "Ok".

Press "Partition Drive".
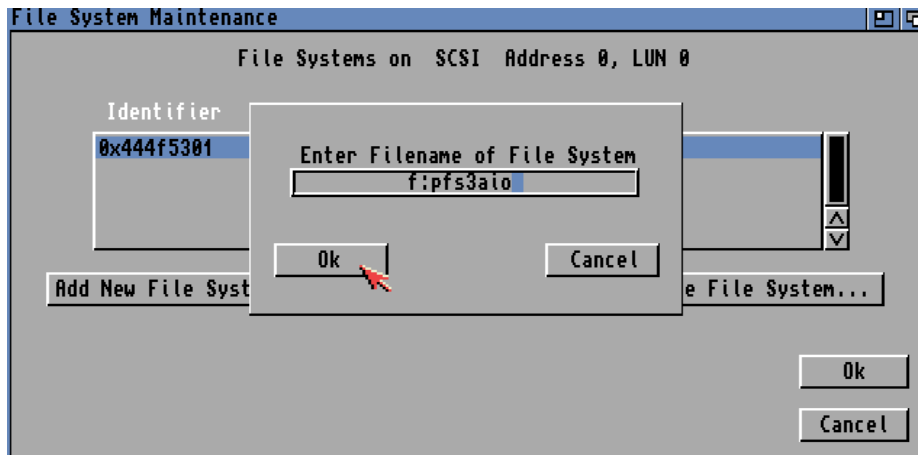
Check "Advanced options".

Change drive name to "DH0", increase "Buffers" to 200.

Set desired size for the first partition. I set it to 245MB.
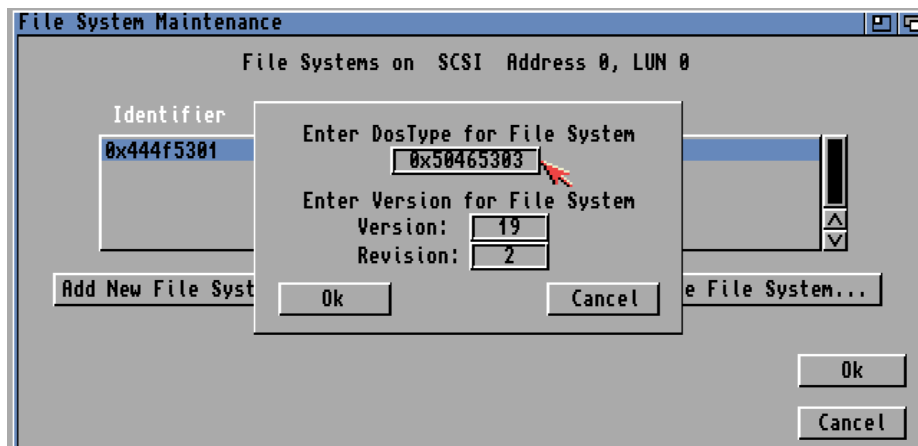

Add **pfs3aio** File System:

- Press "Add/Update…" button. Press "Add new filesystem", enter "pfs3aio" which is located in my case in "f" drive.
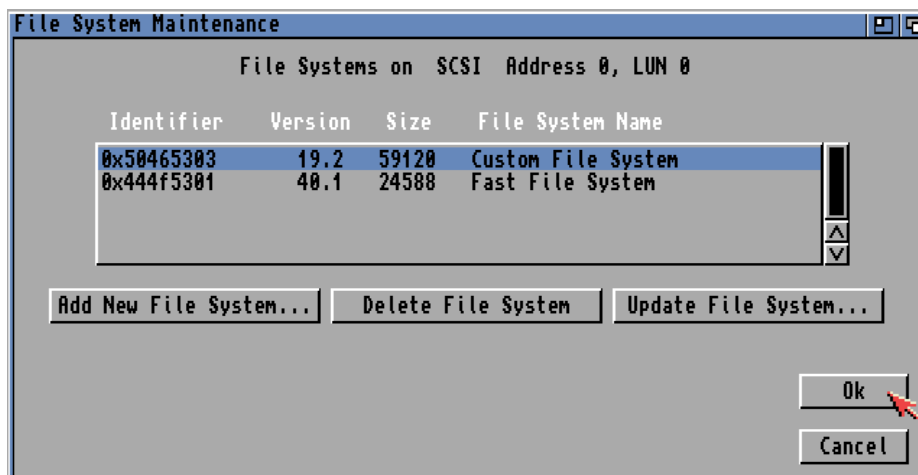
Press "OK".

Change DosType **to 0x50465303**, press Enter.

Press "OK".
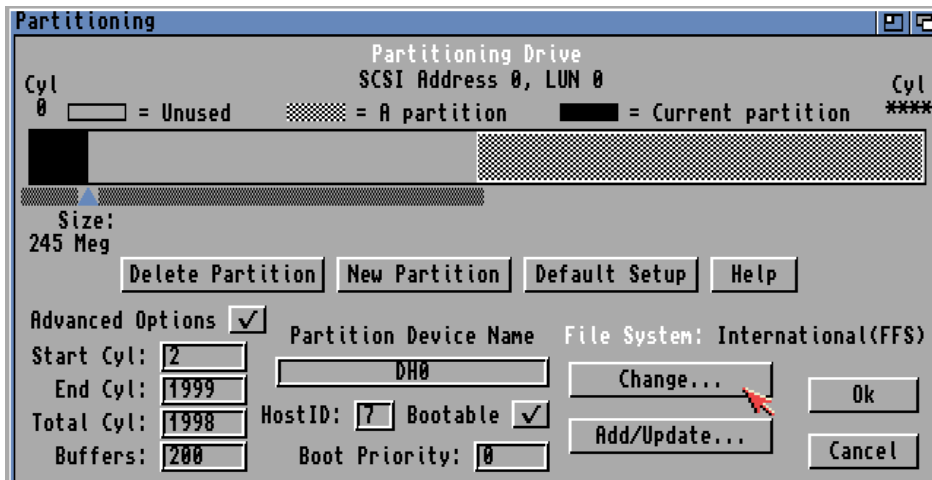
Press "OK".

Press "Change..."
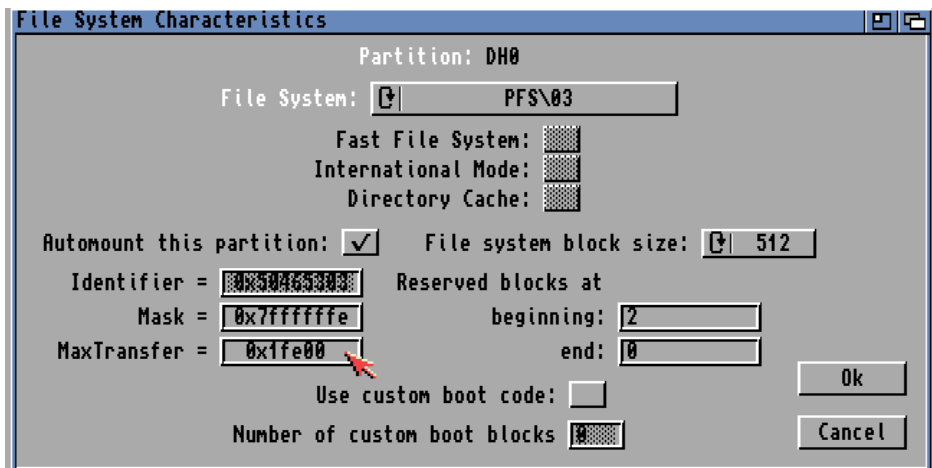
Pressing the circle with arrow, change Filesystem to PFS\03.

Change **MaxTransfer** to **0x1fe00.**

Press "OK".

Repeat the same with second partition.

Click on it:
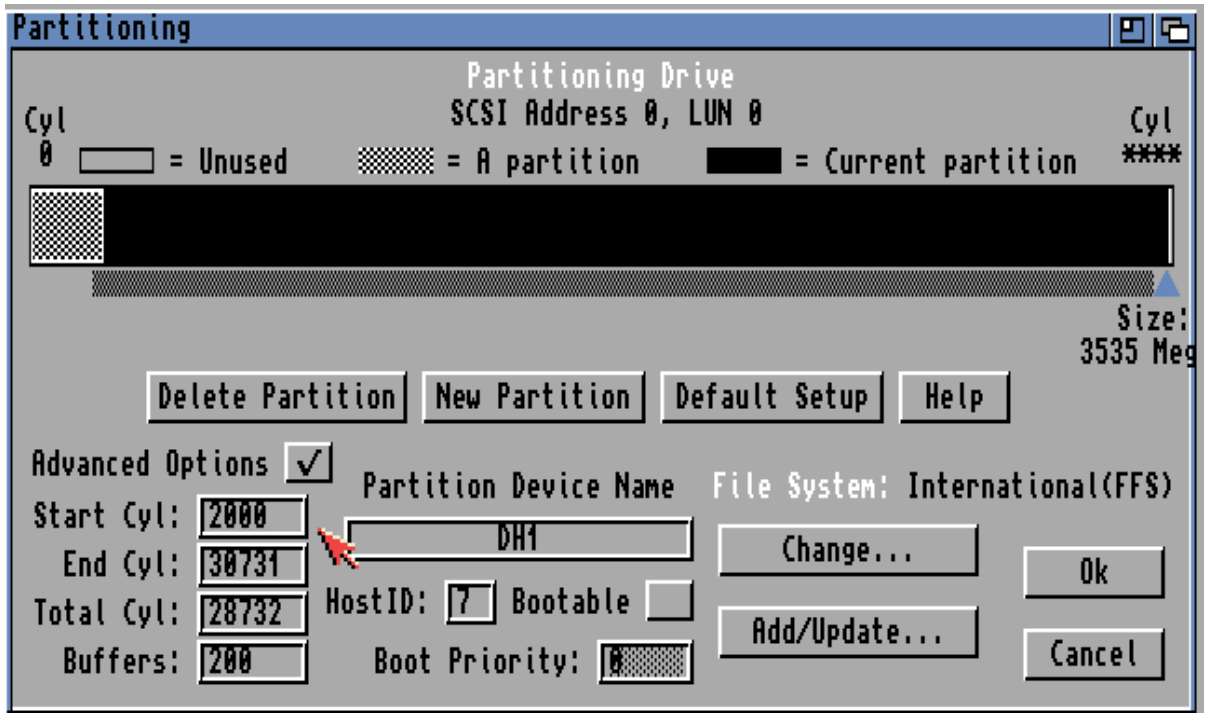
Change start cylinder to the next after end cylinder of the first partition.

Change buffers to 200.

Change Device name to DH1.

Click back on the first partition and check if Buffers not changed back to 30. If so, change it again.

Click on the second partition. Check the same with all parameters.

Click "Change.." to change Filesystem to PFS3.

File System Characteristics

Partition: DH1

File System: PFS\03

Fast File System:

International Mode:

Directory Cache:

Automount this partition: ✓   File system block size: 512

Identifier = 0x50465303   Reserved blocks at

Mask = 0x7ffffffe   beginning: 2

MaxTransfer = 0x1fe00   end: 0

Use custom boot code:

Number of custom boot blocks 0

Ok

Cancel
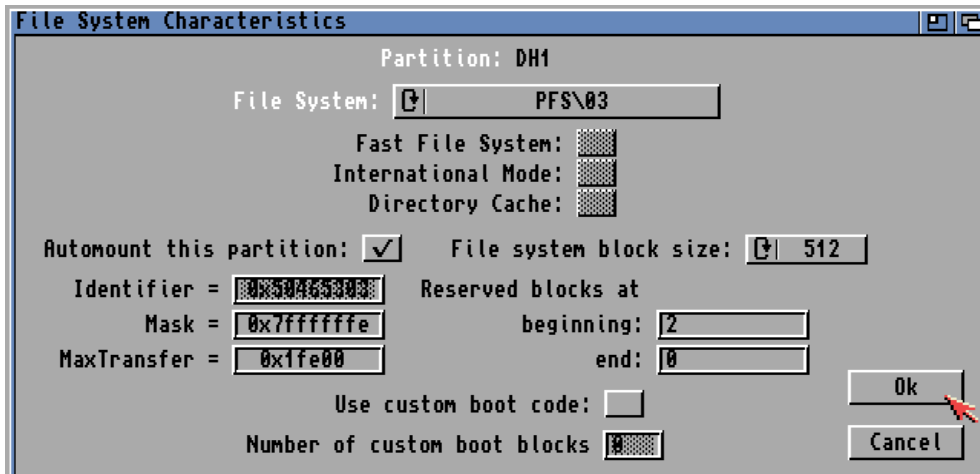
Set the values as shown.

Press "OK". Check Buffers again.

Partitioning

Partitioning Drive
SCSI Address 0, LUN 0

Cyl
0   ☐ = Unused   ▧ = A partition   ■ = Current partition

Cyl
****

Size:
3535 Meg

Delete Partition | New Partition | Default Setup | Help

Advanced Options ✓   Partition Device Name   File System: Custom File System

Start Cyl: 2000

End Cyl: 30731

Total Cyl: 28732   HostID: 7   Bootable

Buffers: 200   Boot Priority: 0

DH1

Change...

Add/Update...

Ok

Cancel
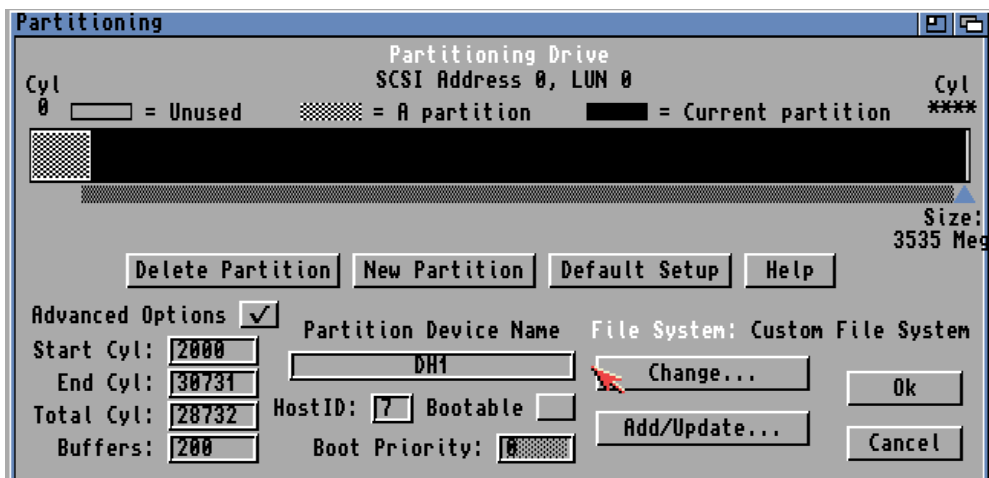
Press "OK".

Press "Save changes to drive".
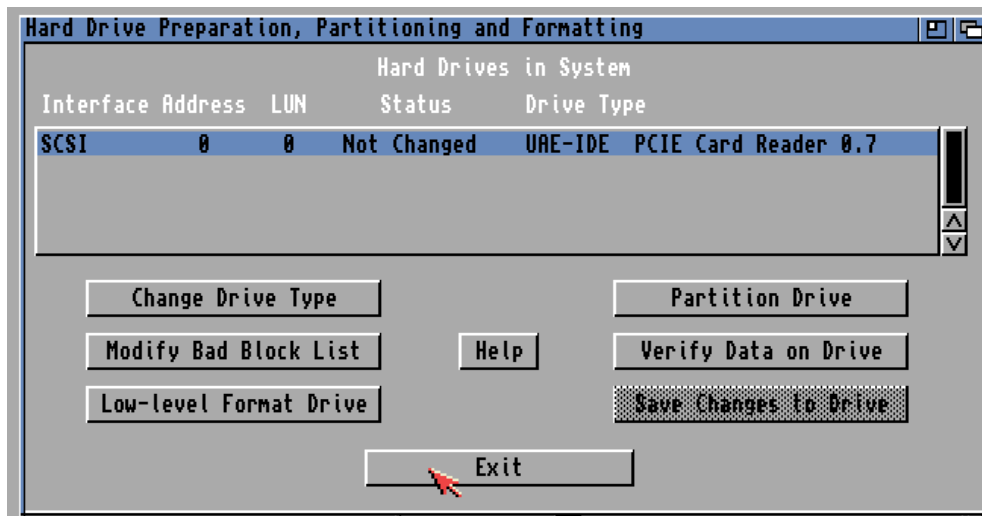
Press "Exit" then **REBOOT**.

After restart, two unformatted drives DH0 and DH1 should appear.

Right click on DH0, select "Icons\Format Disk". Then "**Quick format**".

```
┌─────────────────────────────────────────────────────────┐
│ Format - DH0                                        ⊏⊐   │
├─────────────────────────────────────────────────────────┤
│                                                          │
│   Current Information: Device 'DH0'                      │
│                        245M capacity                     │
│                                                          │
│                                                          │
│       New Volume Name: │Sys                          │   │
│                                                          │
│          Put Trashcan:  ☐                               │
│                                                          │
│                                                          │
│                                                          │
│                                                          │
│                                                          │
│   ┌────────────┐  ┌──────────────┐  ┌──────────────┐    │
│   │   Format   │  │ Quick Format │  │    Cancel    │    │
│   └────────────┘  └──────────────┘  └──────────────┘    │
│                                                          │
└─────────────────────────────────────────────────────────┘
```
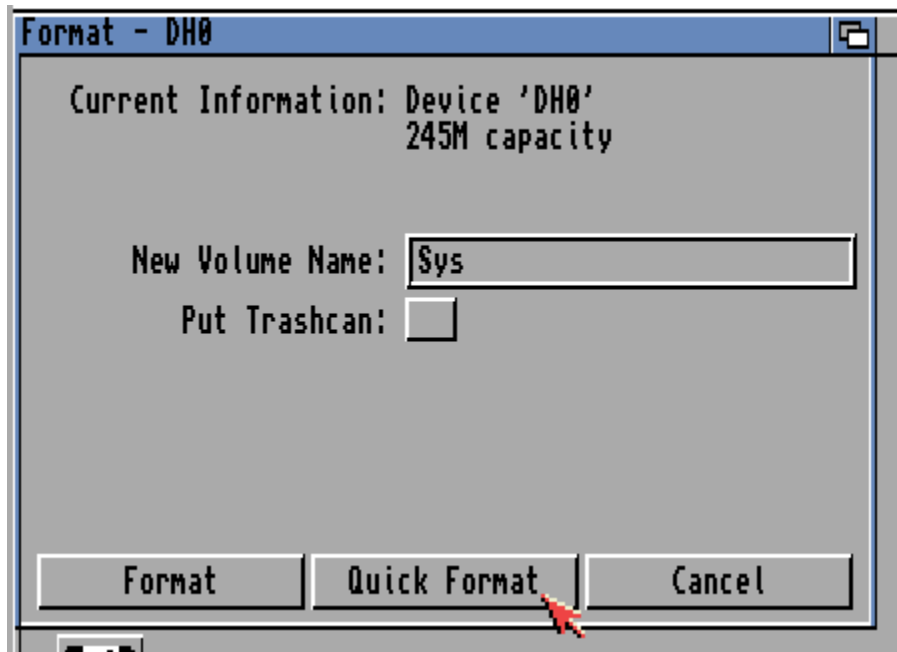
Press "Format" a couple of times then "OK".

Do the same for DH1.

Install Workbench using installation floppy or copy already installed files from another disk/CF-card.