How to partition your card using ICD Pro
(in 22 easy steps)

Don't have a floppy with ICD Pro package and you would rather install the ICD Pro using another SD card?
Then follow [this guide](#) first!

Having trouble with partitioning using ICD Pro like no partitions after restart?
Read this [short troubleshooting guide](#).

1. Download the 'ICD Pro' package here: **[icdp655a](#)**, and extract the content of the zip file on a floppy.

2. Turn on your UltraSatan and your ST with the 'ICD Pro' floppy inserted. Open up the floppy (A:) from desktop and start the ICDFMT.PRG.

```
 ⌀                                        A:\
537542 Bytes in 33 Dateien.
    FLUSH     PRG       1952  10-01-09
    HDPARK    LSX         20  10-01-09
    HDPARK    TOS      10406  10-01-09
    HDPARTS   TOS      10474  10-01-09
    HDUTIL    PRG      62304  10-01-09
    HOST      TOS       6758  10-01-09
    ICDBOOT   PRG      48502  10-01-09
    ICDFMT    DAT       5378  10-01-09
    ICDFMT    PRG     106112  10-01-09
    ICDTIME   PRG       2952  10-01-09
    ICDTRAPS  PRG      14466  10-01-09
```

3. You will see the following screen, just press anything to skip it.


```
                    ICD

          ┌─────────────────────────┐
          │  ICD Format Utility     │
          │                         │
          │  Version 6.20 Copyright © 1994 │
          │                         │
          │                         │
          │  ICD, Inc.              │
          │  1220 Rock St.          │
          │  Rockford, IL 61101 USA │
          │                         │
          │       (001) 815 968-2228 │
          │  FAX: (001) 815 968-6888 │
          │  BBS: (001) 815 968-2229 │
          └─────────────────────────┘

              Weiter mit beliebiger Taste
```

4. Now it should look for the connected devices, and it should find all UltraSatan devices with inserted cards (I had only 1 card inserted, thus it found only 1 usable ACSI device).

```
        Laufwerk auswählen
ID,LUN  Laufwerk/Controll.
=================================
  0,0      UltraSatan   SD 1928 MB




  RESCAN       WEITER       ENDE
```
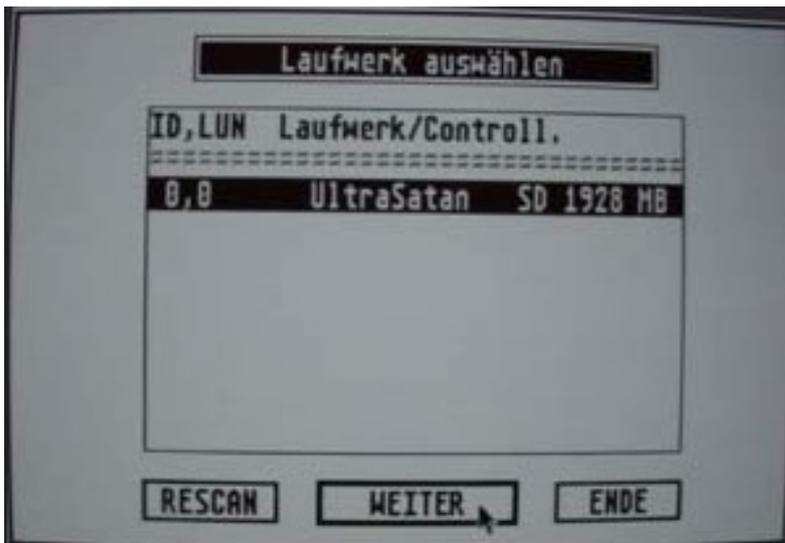
5. Before formatting the card change the number of sector tests (Testlaufe) to 0 to avoid the long testing of sectors. Click on the number '1' with your left mouse button.



```
        ICD      Hauptmenü

   Laufwerksinformation        Einstellbare Parameter
==========================   ==========================
UltraSatan   SD 1928 MB      Atari AHDI Kompatibel.. Ja
SCSI-Anschluß                Defekte Sektoren über.. SCSI
SCSI ID................ 0    Interleave............. 1
LUN.................... 0    Testläufe.............. 1
Köpfe.................. n/a
Zylinder............... n/a     FORMAT      PARTITION
Removeable Media....... Ja
                               RESCAN        ENDE
```

6. In the following window change the 1 to 0 and press OK to change the number of sector tests.

Anzahl der Testläufe ändern?

Optionen:
  0: Kein Test auf defekte Sektoren. Nur bei
       SCSI-Laufwerken akzeptabel.

  1: Schnelltest (Alle Sektoren einmal lesen)
       Kann einen Defekt übersehen!

  2-99: Entsprechende Anzahl Testläufe mit
       Schreiben und Lesen unterschied-
       licher Daten. Eine der sichersten
       Testmethoden – dauert aber auch
       entsprechend lange...

                    Anzahl: 0

                    OK

7. Now you are ready to start the card formatting.
Just press the 'Format' button.

ICD   **Hauptmenü**

Laufwerksinformation

UltraSatan   SD 1928 MB
SCSI-Anschluß
SCSI ID................. 0
LUN..................... 0
Köpfe................... n/a
Zylinder................ n/a
Removeable Media........ Ja

Einstellbare Parameter

Atari AHDI Kompatibel.. Ja
Defekte Sektoren über.. SCSI
Interleave............. 1
Testläufe.............. 0

FORMAT   PARTITION

RESCAN   ENDE
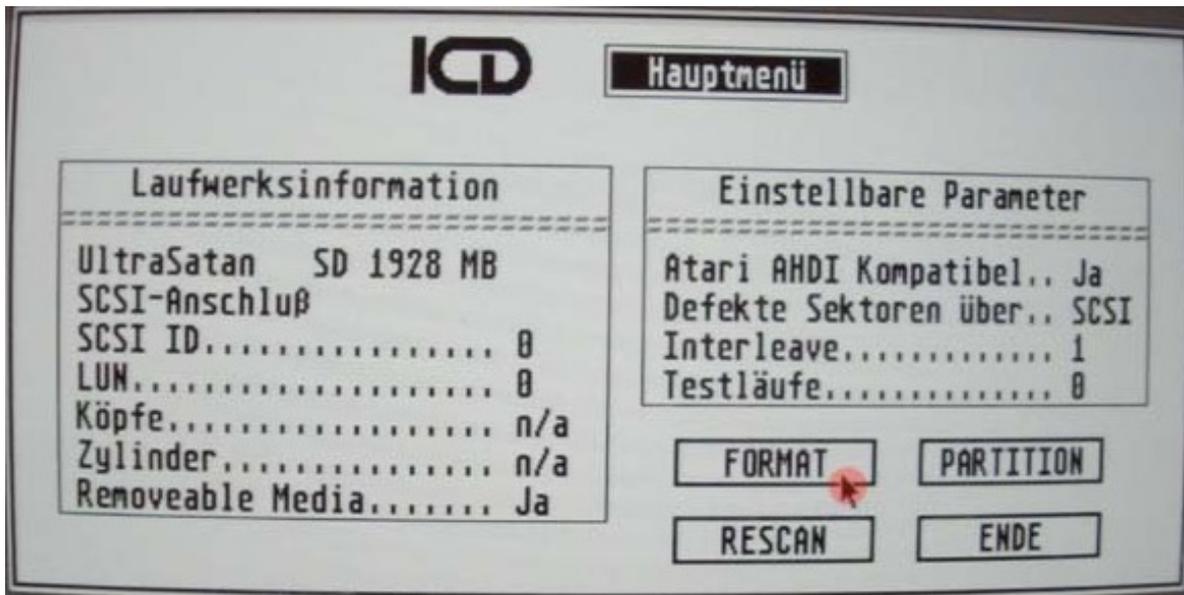
8. This window says that all your data from the device
will be erased and asks you if you really want to
continue. Answer with 'JA' (YES).
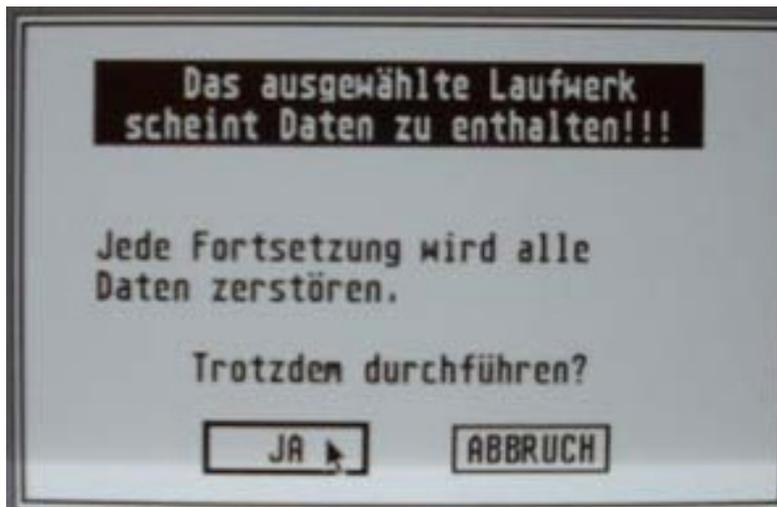
**9.** This is a 'Are you really sure???' window, press the 'WEITER' (continue) button.
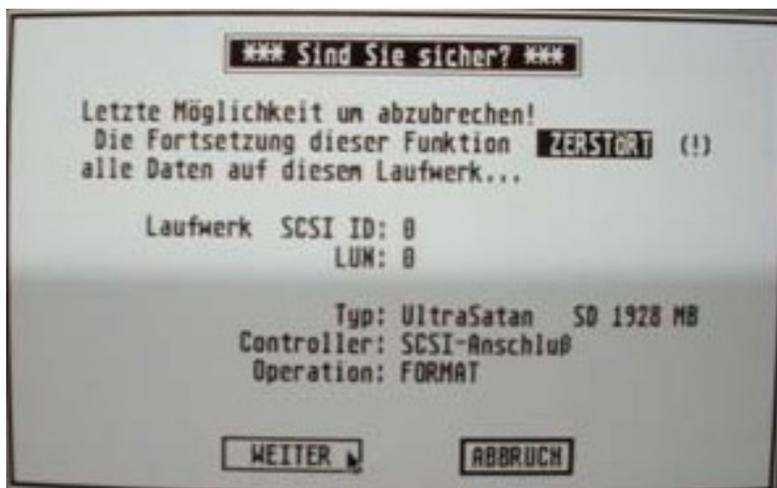
10. After the short formatting of card this window will appear. Now you will have to decide how big your partitions should be. For older TOS (1.02 or 1.04) you should probably have your first booting partition smaller than (or equal to) 16MB, the other should be smaller than 256 MB. I don't know if I'm correct about this, but it works for me You should figure this out for yourself. Just write the size of partitions in MB and when you're done, press the 'FESTPLATTE PARTITIONIEREN' button (partition your drive).

11. For a while you will see this window which notifies you of writing the new FAT tables.

Schreibe Directories und FATs..
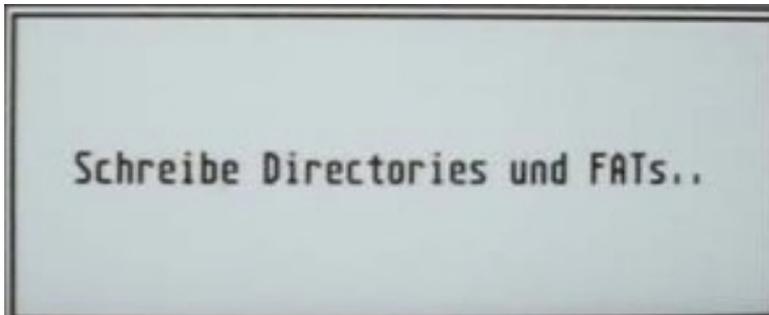
12. After partitioning this window will appear, press OK.

Physikalische Formatierung
und Partitionierung
erfolgreich beendet!

OK
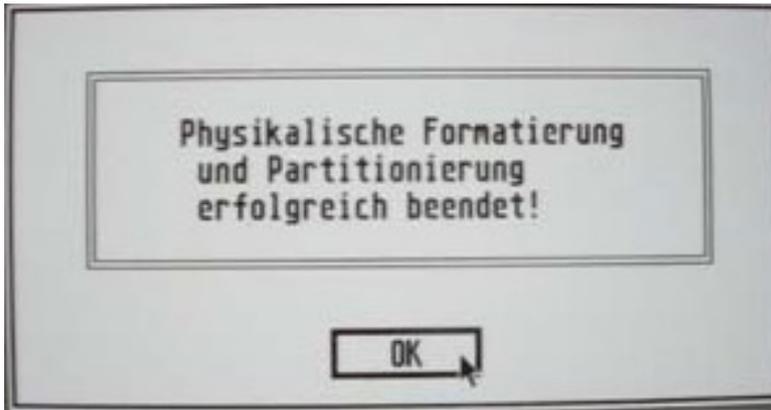
13. This dialog asks you if you want to print (on a printer) your partition configuration. Press 'ABRUCH' (cancel).


Bitte drucken Sie
die Partitionsdaten aus!

DRUCKEN   ABBRUCH
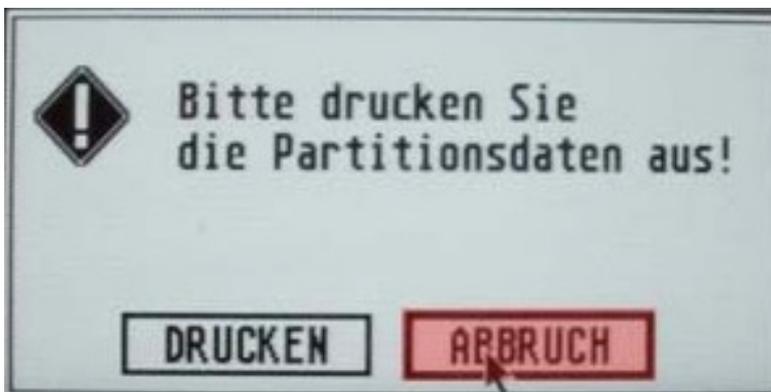
14. You will end up in the main window, press 'ENDE' to quit the program.

ICD   Hauptmenü

Laufwerksinformation

UltraSatan   SD 1928 MB
SCSI-Anschluß
SCSI ID................... 0
LUN...................... 0
Köpfe.................... n/a
Zylinder................. n/a
Removeable Media........ Ja

Einstellbare Parameter

Atari AHDI Kompatibel.. Ja
Defekte Sektoren über.. SCSI
Interleave............. 1
Testläufe.............. 0

FORMAT   PARTITION

RESCAN   ENDE

15. This notification message will appear which says that you should set the maximum sector size to 8192 Bytes. I don't know where you should set it, so just press 'OK' When you will find out, then let me know.

Removeable media formatiert!

Im Laufe dieser Sitzung wurde eine Wechselplatte formatiert. Der höchste Wert an Bytes pro Sektor war 8192.

Bitte ändern Sie den Wert auch in der ICDBOOT-Datei entsprechend ab, wenn er dort kleiner als dieser Wert ist. Mit dem Programm HDUTIL ist dies einfach festzustellen und zu ändern.

OK
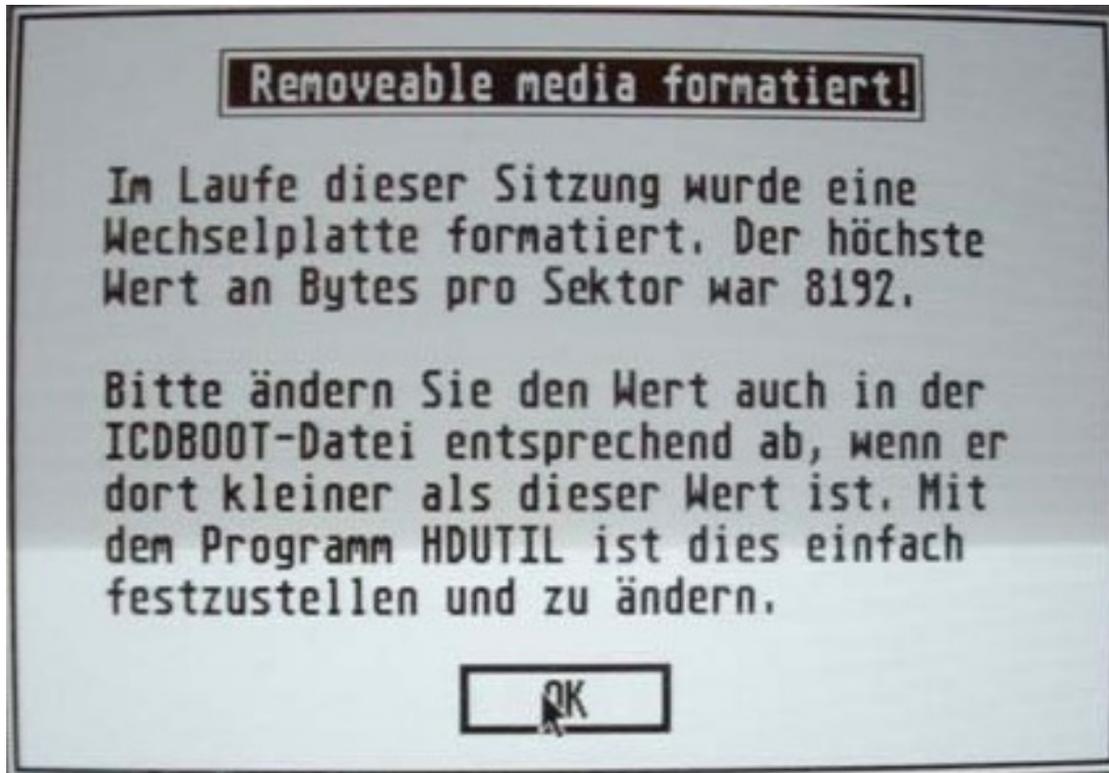
16. The new partitions will be available after reset. So to reset your ST just press 'OK'. Your ST will load the 'ICDBOOT.PRG' from the inserted floppy and will show the partitions on your card, but to make your card bootable without the floppy continue with the next step.

Die Partitionierung wurde geändert!

Das Programm löst zur Übergabe
der neuen Parameter an das GEMDOS
einen Reset aus.

ABBRUCH   OK
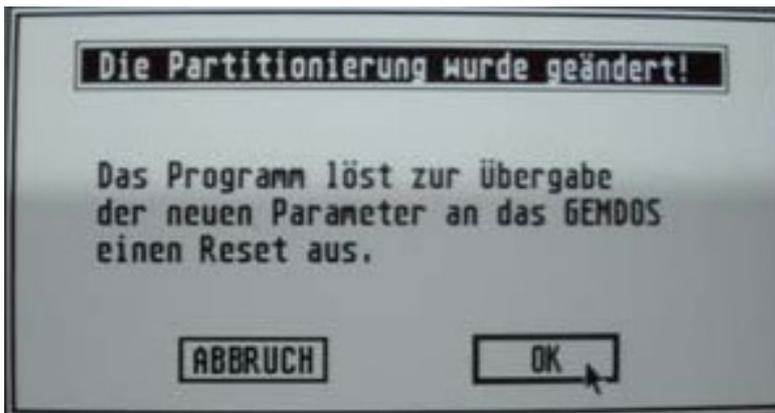
17. After reset you will end up in your desktop. Open the floppy with your 'ICD PRO' package and start the 'HDUTIL.PRG' from it.


```
0                                          A:\
537542 Bytes in 33 Dateien.
    EJECT    LSX         5  10-01-09  22:12
    EJECT    TOS     10726  10-01-09  22:12
    FILE_ID  DIZ        39  10-01-09  22:12
    FLUSH    PRG      1952  10-01-09  22:12
    HDPARK   LSX        20  10-01-09  22:12
    HDPARK   TOS     10406  10-01-09  22:12
    HDPARTS  TOS     10474  10-01-09  22:12
    HDUTIL   PRG     62304  10-01-09  22:12
    HOST     TOS      6758  10-01-09  22:12
    ICDBOOT  PRG     48582  10-01-09  22:12
    ICDFMT   DAT      5378  10-01-09  22:12
```

18. After the application has loaded, the following window will appear. Press the 'BOOT' button to install the hard disk driver on your card (to make it bootable without floppy).

19. Select the partition, which should store the hard disk driver (I would choose 'C') and press the 'OK' button.
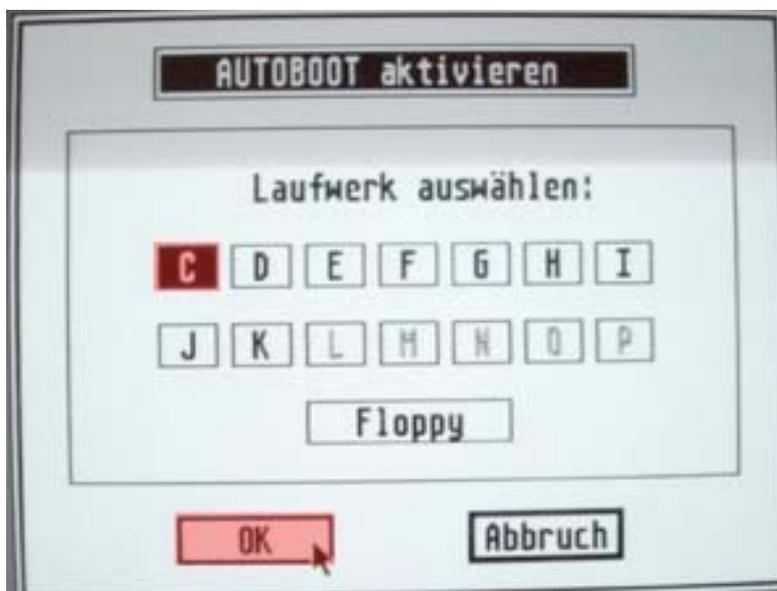
20. The following window will appear and it says, that it will store the driver from your floppy on your hard drive. Just press the 'OK' button.
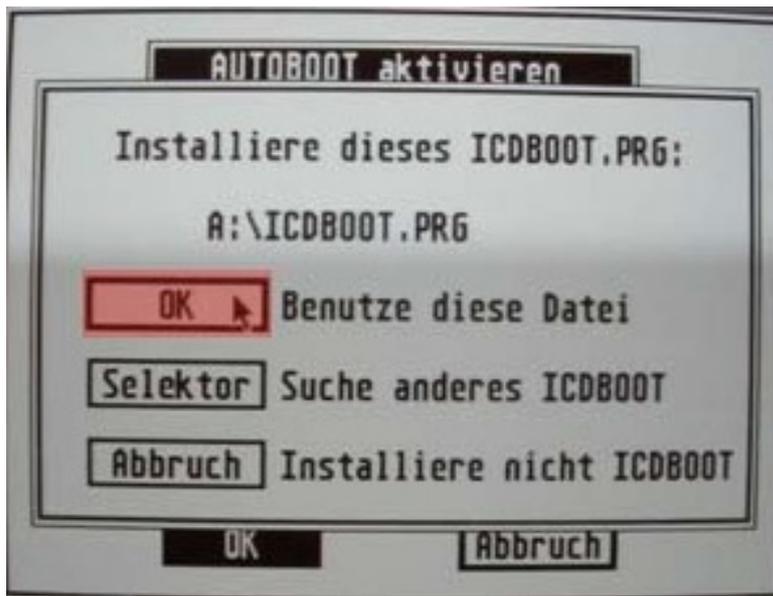
21. You will return in the main window, press the 'Ende' button to quit the application.

22. You can reset your ST and it should boot from the partitioned card. You should see similar partitions like on the picture…

ICD Autoboot PRO-Festplattentreiber
v6.5.5 Copyright © 1994 ICD Inc.

```
ID  0 UltraSatan   SD 1928 MB   C: D: E: F: G: H: I: J: K:
ID  1 UltraSatan [empty slot]
```

Aktuelle Treiberkonfiguration
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

```
        Autoboot-Laufwerk: C
              Disk Cache: 60K
              DOS Buffer: 160K
            Verify Buffer: AUS
             Cache Write: AN
      Zusätzliche Ordner: 64
  Zeitübergabe (Tastatur): n/a
```