

SD card driver for the Atari STe extended Joystick Port A

Cyril Vincent : un GRAND BRAVO à OrionSoft pour avoir créer cette carte et surtout le driver

Driver v1.2c by OrionSoft 2020

<http://orionsoft.free.fr/>

This driver will hook up to the Xbios hard disk drive routines to simulate a GEMDOS drive showing the content of an SD Card.

So you can read and write the SD card from the GEM desktop.

This driver will let the TOS process the file system, so you will be restricted to TOS limits with a FAT16 file system of less than 32 Mbytes.

If you want to use a bigger partition on your SD card up to 2Gbytes, you need to start the utility "bigdos.prg" before the SD driver.

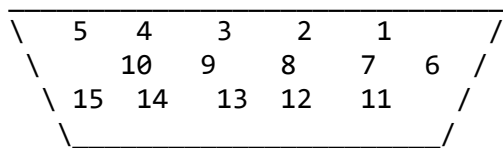
How to setup your SD card:

Create up to 4 partitions of type "primary" on your SD card.

Each partition must be 32Mbytes maximum and formatted using the FAT16 file system. (or 2Gbytes if you use "bigdos")

Wire the SD card breakout board to the Extended Joystick Port A of your Atari STe/Falcon using this schematics:

Extended Joystick Port: Computer Side



Joystick Port Pin | SD card breakout board Pin

4 - MOSI

3 - SCK

2 - CS

6 - MISO

7 - VCC

9 - GND

The speed of this driver on a standard Atari STe 8mhz is about 20kbytes/s.

It's not possible to go higher than 26kbytes/s due to the fact that we retrieve the data from the SD card bit per bit