

ST-BOOK ROM dump?

Moderators: [Mug UK](#), [Zorro 2](#), [spiny](#), [Greenious](#), [Moderator Team](#)

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Re: ST-BOOK ROM dump?

by [Dal](#) » Fri Aug 30, 2013 12:39 pm

I checked sysinfo on my stbook and it says it has 2MB. However a chunk of this is lost due to the RAMDISK installed as drive P:.

Is it possible to disable the P: drive? Or, would I get full use of the 2MB RAM if I use TOS 2.06 instead?

Dal

Administrator

Posts: 4203

Joined: Mon Jan 17, 2011 4:31 pm

Location: Cheltenham, UK

Contact: [↗](#)

STE: Desktopper case, IDE interface, UltraSatan (8GB + 512Mb) + HXC floppy emulator. Plus some STE's/STFM's

Re: ST-BOOK ROM dump?

by [Guest](#) » Fri Aug 30, 2013 12:39 pm

i tried to flash an image of 2.06 to see if it would work
the unit failed to start
i dont think 206 has the directives stbook tos has for the power management
etc suspend to ram etc
im sure it just 1MB or 4MB 2 is a strange amount
not sure sysinfo is correct
im sure there is an easy way to free up the ram from the acc tools

there is a mod to give 4MB ram by changing the chips and wire all of one leg of each to a spare memory address ?mad 9 usually line on the mmu

these two boards are REV5 what rev do you have??
i know early revisions of st and etc have no wired line where later pcb this is added for 4MB onboard

ive never checked these books rev 5 infact just needs only the chips changed
(an easier job) however with the correct smd air nozzle you can take them all off in less than 5 mins
and re solder them in 15 total

Guest

Mal7921

Captain Atari

Posts: 386

Joined: Sun Jun 12, 2005 2:48 pm

Location: Huddersfield UK

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Mal7921](#) » Fri Aug 30, 2013 2:17 pm

Last time i checked with Best they said they had no spare parts for the ST book as none of them were assembled in America and all t e development was European. The ST Book never officially launched in the USA so there was no 'technical spares' stock to liquidate when Atari went under.

Best source for ST Book parts is none functioning ST Books by the look of it

Last edited by [Mal7921](#) on Sat Aug 31, 2013 1:18 pm, edited 1 time in total.

The collection:

Atari 260ST, 520ST, 520ST+, 520STfm
Atari STe
Atari Falcon, 14MB, 40GB IDE drive

Mal7921

Captain Atari

Posts: 386

Joined: Sun Jun 12, 2005 2:48 pm

Location: Huddersfield UK

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Guest](#) » Fri Aug 30, 2013 2:53 pm

he does say on his site he has the acsi cable and others at what i think is a reasonable price

if you add up the midi and acsi port cables price its \$40 this is less that £36 max before import tax and a post office charge on top

Atari ST Book Hard Drive Cable, 28 Pin Micro pitch connector to DB-25 Female Connector. CB102842 \$24.95

Atari ST Book Midi Adapter Cable, 5 Pin Din Male Mini Cable to 5 Pin Din Standard Female connector. CB102843 \$15 each

Atari ST Book Joypad / Mouse Replacement Internal Mylar flex Circuit. C104422 \$19.95

Atari ST Book Schematics. 12 "C" Size Prints. CB102983 \$50.00 <<<<< ☹

well its back to the laminate film idea
white film stencil prob for keyboard conversion
not sure what flavor dal has german or usa ?? or another

i can get memory i found the ic's on ebay some time ok in the states but quite cheep at \$2 each
the right type of chip most ic's in it are standard except the controller for the display and ive found it listed in hongkong

as its made in japan i can only assume any surplus stocks remain there

Mal7921

Captain Atari

Posts: 386

Joined: Sun Jun 12, 2005 2:48 pm

Location: Huddersfield UK

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Guest](#) » Sat Aug 31, 2013 10:53 am

true easy enough to change over using some tights {got the method from alison}

Guest

Re: ST-BOOK ROM dump?

by [Dal](#) » Sat Aug 31, 2013 12:48 pm

Mine is also a rev5 board.

Dal

Administrator

Posts: 4203

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Re: ST-BOOK ROM dump?

by [Guest](#) » Sat Aug 31, 2013 1:07 pm

its fairly easy for me to piggyback two ic's i recon it will fit easily under the keyboard (it will i checked anyway)
if you would like to switch it
you just need then to switch the enable pin on each rom

Guest

Re: ST-BOOK ROM dump?

by [Guest](#) » Thu Sep 05, 2013 3:12 pm

can someone post the images are aok????? please...

i ordered a new programmer as my copy willem is gubbed

so it will take me 10 days or so to secure plcc 27c4002 and OTP and copies

see last few pages for rom images

Guest

Re: ST-BOOK ROM dump?

by [SteveBagley](#) » Fri Sep 06, 2013 3:07 am

simbo2 wrote:

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see last few pages for rom images

I've booted it fine in Hatari without issue -- interestingly, it really doesn't understand how to boot in low or medium res (not surprising given its destination, but it shows it is more than just a lightly customized TOS 2.06).

Steve

SteveBagley

Captain Atari

Posts: 195

Joined: Mon Jan 21, 2013 1:31 am

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Avanze](#) » Fri Sep 06, 2013 11:17 am

I wonder if Steem SSE supports this BIOS? I couldn't get it working.

Avanze

Captain Atari

Posts: 188

Joined: Mon Sep 15, 2003 5:49 pm

Location: Pennsylvania

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [SteveBagley](#) » Fri Sep 06, 2013 3:50 pm

Avanze wrote:

I wonder if Steem SSE supports this BIOS? I couldn't get it working.

TOS 2.08 access memory at \$D40000 during boot up which bus-errored in Hatari (possibly incorrectly -- my MegaSTE happily allows me to read from there) unless I set it up as a 14MB hybrid. And it needs to be in High-res. it's possibly that Steem might also be buserroring incorrectly too, can you set it to 14MB ram and see what happens?

Looking at the schematics and TOS 2.08 the ST book seems to have been a strange hybrid between the ST and the STE -- it has the STE MCU but the video chip from the Stacy (so it has a Blitter, and presumably it has the lower byte for the video base address and rewritable video counter, but no HSCROLL register since there's no STE shifter -- unless the SHADOW chip can also handle HSCROLL), no DMA audio hardware, and the extended joystick ports are repurposed to provide details of power levels etc.

Steve

SteveBagley

Captain Atari

Posts: 195

Joined: Mon Jan 21, 2013 1:31 am

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Cyprlan](#) » Fri Sep 06, 2013 4:10 pm

SteveBagley wrote:

TOS 2.08 access memory at \$D40000 during boot up which bus-errored in Hatari (possibly incorrectly -- my MegaSTE happily allows me to read from there)

According to that doc <http://dev-docs.atariforge.org/files/VM...9-1991.pdf> this is VME address space in Mega STE:

A24:D16 \$A00000 -- \$DEFFFF
A16:D16 \$DF0000 -- \$DFFFFF

regarding bus-error I guess it is caused due to Hatari doesn't support neither MegaSTE nor VME yet.

Mega ST 1 / 7800 / Portfolio / Lynx II / Jaguar / TT030 / Mega STe / 800 XL / 1040 STe / Falcon030 / 65 XE / 520 STm / SM124 / SC1435
DDD HDD / AT Speed C16 / TF536 / SDrive / PAK68/3 / Lynx Multi Card / LDW Super 2000 / XCA12 / SkunkBoard / CosmosEx / SatanDisk / UltraSatan / USB Floppy Drive Emulator / Eiffel / SIO2PC / Crazy Dots / PAM Net
[Hatari](#) / [Steem.SSE](#) / [AranyM](#) / [Saltin](#)
<http://z6dste.atari.org>

Cyprlan

10 GOTO 10

Posts: 2182

Joined: Fri Oct 04, 2002 3:23 am

Location: Warsaw, Poland

Contact: [↗](#)

Re: ST-BOOK ROM dump?

by [Guest](#) » Sat Sep 07, 2013 12:34 am

ye its the ram drive

think looking there is a push at to that address

you can just nop it out and the tos wont make the ram drive

do an auto install device and see if it pops up as drive P

you can use ice disassembler and youll see the push on its offset

someone should point this out to the hitari developers

Guest

Re: ST-BOOK ROM dump?

by [Guest](#) » Sat Sep 07, 2013 12:43 am

has someone tried seltos it to a ste or mega ste???

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Re: ST-BOOK ROM dump?

by [SteveBagley](#) » Sat Sep 07, 2013 1:38 am

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I don't think \$D40000 and \$E80000 are used for the ROM drive (P:), since they both lie outside the TOS 2.08 chips memory (which is \$12k from \$E00000) and since the ROM drive is visible and accessible in Hatari with TOS 2.08 (but not having anything at the other addresses) it pretty much confirms they are not used for the ROM drive. The rom disks contents are also visible in the top 256k of the ROM image.

It's possible atari envisioned selling software on cartridges to plug into the expansion connector or that it was used in the STpad/STylus.

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