.com ATARI-FORUM Atari-Forum Search... A forum about Atari 16/32 computers and their clones. This forum is in no way affiliated with Atari Interactive. ■ Quick links ? FAQ Paules ▲ Notifications ← Private messages sarnau ▼ **Board index < Atari ST Professionals < Hardware** ST-BOOK ROM dump? Moderators: Mug UK, Zorro 2, spiny, Greenious, Moderator Team **< | 1 | ... | 4 | 5 | Post Reply** Search this topic... 200 posts Re: ST-BOOK ROM dump? Dal 66 Administrator 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 Posts: 4203 drive P:. Joined: Mon Jan 17, 2011 4:31 pm Location: Cheltenham, UK Contact: (\*\*) 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? **STE**: Desktopper case, IDE interface, UltraSatan (8GB + 512Mb) + HXC floppy emulator. Plus some **STE**'s/**STFM**'s Re: ST-BOOK ROM dump? Guest 66 by **Guest** » Fri Aug 30, 2013 12:45 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 **ST-BOOK ROM dump?** 66 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 Mal7921 Captain Atari Last edited by Mal7921 on Sat Aug 31, 2013 1:18 pm, edited 1 time in total. Posts: 386 The collection: Joined: Sun Jun 12, 2005 2:48 pm Location: Huddersfield UK Atari 260ST, 520ST, 520ST+, 520STfm Contact: 💬 Atari STe Atari Falcon, 14MB, 40GB IDE drive Re: ST-BOOK ROM dump? Guest 66 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 Re: ST-BOOK ROM dump? 66 by **Mal7921** » Sat Aug 31, 2013 1:04 am True, but the explanation I had when asking about stock was there were no case/mechanical or electrical component spares as no repair stockpile had been built up for warranty repairs. As for the keyboard layout, is that not part of TOS? I'm sure the German TT keyboard works with English characters in the right places, it's just the key caps that are different Mal7921 Captain Atari 食食大大大 The collection: Posts: 386 Atari 260ST, 520ST, 520ST+, 520STfm Joined: Sun Jun 12, 2005 2:48 pm Atari STe Location: Huddersfield UK Atari Falcon, 14MB, 40GB IDE drive Contact: 💬 Re: ST-BOOK ROM dump? Guest 66 by **Guest** » Sat Aug 31, 2013 10:53 am true easy enough to change over using some tights {got the method from alison} Re: ST-BOOK ROM dump? Dal 66 Administrator by **Dal** » Sat Aug 31, 2013 12:48 pm Mine is also a rev5 board. 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? Guest 66 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 Re: ST-BOOK ROM dump? Guest 66 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 Re: ST-BOOK ROM dump? **SteveBagley** 66 Captain Atari by **SteveBagley** » Fri Sep 06, 2013 3:07 am Posts: 195 **66** simbo2 wrote: Joined: Mon Jan 21, 2013 1:31 am can someone post the images are aok????? please... Contact: 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 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 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. Captain Atari Posts: 188 Joined: Mon Sep 15, 2003 5:49 pm Location: Pennsylvania Contact: Re: ST-BOOK ROM dump? **SteveBagley** 66 Captain Atari by **SteveBagley** » Fri Sep 06, 2013 3:50 pm Posts: 195 **66** Avanze wrote: Joined: Mon Jan 21, 2013 1:31 am I wonder if Steem SSE supports this BIOS? I couldn't get it working. Contact: 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 Re: ST-BOOK ROM dump? 66 by **Cyprian** » Fri Sep 06, 2013 4:10 pm **66** 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 Posts: 2182 Joined: Fri Oct 04, 2002 3:23 am Location: Warsaw, Poland regarding bus-error I guess it is caused due to Hatari doesn't support neither MegaSTE nor VME yet. Contact: 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 / Saint http://260ste.atari.org Re: ST-BOOK ROM dump? Guest 66 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 Re: ST-BOOK ROM dump? Guest . 66 by **Guest** » Sat Sep 07, 2013 12:43 am has someone tried seltos it to a ste or mega ste??? Re: ST-BOOK ROM dump? **SteveBagley** 66 Captain Atari by **SteveBagley** » Sat Sep 07, 2013 1:38 am Posts: 195 **66** simbo2 wrote: Joined: Mon Jan 21, 2013 1:31 am ye its the ram drive Contact: 💬 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 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 512k 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. Steve Re: ST-BOOK ROM dump? 66 by **ralcool** » Sat Sep 07, 2013 2:16 am **66** SteveBagley wrote: ralcool Well that seems to have worked -- I've just booted Hatari into the US TOS 2.08 😀 Although you need to configure it Atari Super Hero with 14MB of memory or it bus errors (there's some accesses to 0xD00000 during boot). Posts: 693 Interestingly, one Atari documentation file I've got on the ST Book lists two 256k system extension roms in the memory Joined: Sun Mar 07, 2010 2:52 am map (at 0xD40000 and 0xE80000) but I'm blowed if I can see what these might be connected to in the schematics Location: Australia Contact: 💬 (Possibly they were for the STylus's PCMCIA-esque cards?) Steve On the STE GSTMCU, there are labelled pins for Rom5 &6, and the also unused ROM0&1 as well.. Likely your memory maps points to 5&6. STE only actually uses ROM2,3 &4. TOS and Cartridge. ST. 4160STFM, (Blitter, 4Mb RAM 72pin, 16Mhz OC, IDE, HD FDD, Quad TOS, LaScan, DS1216E Clock, AT-Speed C16, Tom Kirk PS2 mouse, MegaST Keyboard) What Intel giveth, Microsoft taketh away Beer is proof that God loves us, and wants us to be happy Don't let post count or join date fool you as to who is a newbie, and who knows what's what Re: ST-BOOK ROM dump? Guest by **Guest** » Sat Sep 07, 2013 10:13 am their is a sudo vme port on the machine its a large footprint dtype i expect hard to get and never developed very far the book has no floppy controller so when there is no hdd access available you get 4 bombs on boot it would be nice to find the byte that directs the invisible floppy controller at address same as ste maybe one for steve as he is in a good code place??? however far this machines was developed it would be nice to see the sources for tos 2.08??? bolt on and i think its a work of art for its time having added to malcolms machine (as soon as my new programmer arrives ill send it back) has made a fun project worthwhile to all so a supply point of its expansion connector will allow some more or better access i will point out ive had malcolms machine nearly two years now Re: ST-BOOK ROM dump? Guest 66 by **Guest** » Sat Sep 07, 2013 10:22 am backlight addin would be nice but is easy you can buy a A4 sheet you cut to size and replace the sheet on the reverse of the screen you need to carefully de-laminate it ive never tried but it would be really good the A4 sheet you just use scissors and a 5v supply @ full sheet is less than 20ma its one to think about Re: ST-BOOK ROM dump? by **DarkLord** » Sat Sep 07, 2013 1:01 pm Hey Simbo, a quick question - why do you have to de-laminate it? I put a replacement in my STacy and as you said, pretty easy and it worked great. I did have to cut it to fit, afterwards I used clear nail polish to reseal the **DarkLord** Fuji Shaped Bastard sections I cut. Posts: 4619 Thanks, I was just curious. Joined: Mon Aug 16, 2004 4:06 am Location: Prestonsburg, KY - USA Welcome To DarkForce! <a href="http://www.darkforce.org">http://www.darkforce.org</a> "The Fuji Lives.!" Contact: 💬 Atari SW/HW based BBS - Telnet:darkforce-bbs.dyndns.org 520 Re: ST-BOOK ROM dump? sarnau 66 Atari freak by **sarnau** » Sun Sep 08, 2013 2:11 am Posts: 50 **66** SteveBagley wrote: Joined: Mon Sep 06, 2010 8:22 pm TOS 2.08 access memory at \$D40000 during boot up which bus-errored in Hatari (possibly incorrectly -- my MegaSTE Contact: (\*\*) 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? The ST-Book ROM starts at \$D00000 and ends at \$D3FFFF. A slightly modified STE ROM. At \$D40000 starts the ROM disk. The ROM contains custom code, to not only look for the original ROM-Port location, but also at \$D40000 for the ROMDISK. That one ends at \$D7FFFF, resulting in a 512kb ROM. Re: ST-BOOK ROM dump? Guest 66 by **Guest** » Mon Sep 09, 2013 9:32 am well you need to pull it off carefully would be nice to add this to malcolm's machine dont know if he wants it the rom in the stbook has the origin of 0E00000 so this is where it starts up same as the ste 0E00abc is the rom cart address and this is where stbook rom gets patched to properly boot acsi interfaces and drives the rom addresses the lower bank 0Dxxxxx and sets it up as a ram disk ... if you dont want a ram disk then look for the push and nop it using ice and a hex editor Re: ST-BOOK ROM dump? Guest ! 66 by **Guest** » Fri Sep 27, 2013 12:28 pm well after some buying of a new programmer and adpaters i wrote some otp for the book the unmodified versions are crc correct however the crc is reported as bad for the modified image i think as i know both crc of modded and un-modded it should be easy to find the string in the bin file for its value and change it to the corrected version {i think the non bytes swapped it should be easy to find from a simple hex value search in hexedit i believe this is the case ???? ppera made a tos split tool that can correct tos 2.X crc but it may have a 256Kb limit on image size so if i am right/wrong and someone knows can you help?? just want to finish the images i know the bad crc error at boot is no big thing but it is annoying non modified usa crc is 741B the modified usa crc is 754C Re: ST-BOOK ROM dump? Guest 66 by **Guest** » Wed Oct 02, 2013 8:35 am good day finally i managed to struggle to send malcolms stbook back to him i will miss it 🙁 Re: ST-BOOK ROM dump? Guest ! 66 by **Guest** » Wed Oct 02, 2013 8:56 am i just want to say a big thank you all too all the members and supporter who made this whole project worthwhile and it still goes on i have a stbook here just needs now a cf card and the falcon to format it etc if people need help with the stbook then this is prob the best place... so far we have the usa and german version of the tos 512Kb 4Mb 16bit rom version perhaps some french users can load up the rip tool a few pages back and get the rest of the images looking at there part numbers there is another full set but perhaps just one or two machines of some languages... who knows roll on the next stbook a pleasure to use and work on perfectly built in japan mostly rev 5 pcb {nice to see others} and just a few caps to replace and well add a mouse and youve got a magic little machine whose battery lasts over 10hrs with mods to the hdd etc and you can add a 1 or etc GB card for pc interchange as i did in malcoms machine so thanks all took me almost two years,,, but worth it 200% **Quick Reply Subject:** Re: ST-BOOK ROM dump? Submit Full Editor & Preview Post Reply 200 posts Jump to < Return to "Hardware"</p> WHO IS ONLINE Users browsing this forum: sarnau and 8 guests Contact us The team Members Delete cookies All times are UTC-08:00 **Board** index Powered by phpBB® Forum Software © phpBB Limited Privacy | Terms