

DOS/65 Richard Leary

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MK14HAK



DOS/65 Richard Leary

Tue Jul 14, 2015 2:58 am

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Richard Leary wrote in OSIWEB.org wish list post : viewtopic.php?f=8&t=160&start=10#p1393

I can help with DOS/65. I am the developer of DOS/65 and am continuing to maintain and improve it.

I released (sold in those days) a version for 5.25 inch drives for OSI and an eight inch OSI version. Development of these was frozen in 1986 as there was not enough demand to continue OSI support.

However this past week I finished a safe enclosure for my external power supply for my Superboard. The Superboard is mounted in a C4P cabinet but until now the PS was dangerously exposed. I connected the Superboard to the D&N interface plugged into a D&N motherboard that also had the D&N memory expansion & 5.25 inch floppy interface on board.

It came right up and then immediately booted DOS/65 when I issued the appropriate monitor command. Note: One of the things I developed was a monitor ROM that included DOS/65 boot capability. That was not essential as I did normally ship DOS/65 as a two disk start up where the first disk was used under OS65D. I did the ROM because for all practical purposes I never used OS65D. If I remember correctly the 5.25 inch version need 9 or 10 diskettes and the 5 inch version a lot less because of the increased diskette capacity.

I checked some of the diskettes for errors and some were clean and some had parity errors. The core that I need to do anything I was able to recreate from back ups or old working copies.

I checked the software versions on the current 5.25 inch OSI diskettes and they are out of date. I can download current versions using XMODEM (MODEM65.COM) but that will take time that I probably won't have available until August or so.

The SIM (system interface module) code - that is what talks to the hardware - was straightforward and could easily be expanded to handle larger capacity drives. I strongly recommend that for 5.25 inch systems.

DOS/65 manages disk use by dealing with 128 byte logical records. However because of the characteristics of the OSI floppy disk controller the physical sectors are full tracks and a full track is what is read from or written to the diskette. THE SIM code maps logical records from or into the full track buffer. A physical track for the standard 5.25 in drive is 2048 bytes. Every track on a DOS/65 5.25 inch diskette is 2048 bytes long.

It has been a long time since I looked at the code but I do have DOS/65 utilities that will read and display the directory of an OS65D diskette and the utilities include ones that can transfer OS65D files to a DOS/65 diskette.

DOS/65 uses the same UART parameters as OS65D so RAWDUMP should work just fine.

600RevB:16K,2MHz,64x32,470,CEGMON
SuperKit:502,540B,542B,CEGMON, 8" and 5" FDDs
Cards:PE IO,6522 D-A-D, AY3-8910,ProgramGraphics,Color,UK101
WIP:HexDOS,FDD Emulator



MK14HAK



Re: DOS/65 Richard Leary

Tue Jul 14, 2015 3:39 am

Rich

I have 5" images of your DOS/65.

I have tried booting in winOSI emulator and get the A> prompt but with a PEM -Bad Sector error after responding to the number of drives prompt.

Warm boot with CTRL-C - hangs accessing tk 0/1

Go \$xxxx -hangs accessing tk 4/5 ? (Was hoping to call some code loaded by 65D loader beyond the actual loader routine to test R/W calls in SIM) Disk access for a Go \$ command ??

Transient command files - PEM error

DIR on any drive/image - PEM error

CCM @ \$9C00 ; PEM @ \$A400 ; SIM @ \$B000 seem to have loaded ok and pg1 has JMP inits.

Have I got bad SIM disk read routines or DCB incorrect ??

PS. Is the format of the boot tracks different from the rest of the disk and do I need to use the CP/M FORMAT on a 65D formatted image to load/save any transient files. (hexedit an image maybe?)

Mike

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MK14HAK



Re: DOS/65 Richard Leary

Sat Jul 18, 2015 11:41 am

Success ! 😊

2400	6D	0E	1C	C8	5E	9F	85	AE	3A	96	6C	F5	43	57	04	58	m..È^ÿ...@:-lôCW.X
2410	76	01	08	00	44	49	52	4F	53	49	20	20	43	4F	4D	00	v...DIROSI COM.
2420	00	00	06	02	00	00	00	00	00	00	00	00	00	00	00	00	.....
2430	00	00	00	00	47	45	54	41	53	4D	20	20	43	4F	4D	00	....GETASM COM.
2440	00	00	0D	03	04	00	00	00	00	00	00	00	00	00	00	00	.....
2450	00	00	00	00	47	45	54	42	41	53	49	43	43	4F	4D	00	....GETBASICCOM.
2460	00	00	11	05	06	07	00	00	00	00	00	00	00	00	00	00	.....
2470	00	00	00	00	47	45	54	41	53	43	49	49	43	4F	4D	00	....GETASCIICOM.
2480	00	00	0C	08	09	00	00	00	00	00	00	00	00	00	00	00	.....
2490	00	00	00	00	43	47	4D	5D	44	5D	4F	00	44	5D	4D	00	....COMPARE ASM.
24A0	00	00	3A	0A	0B												..:.....
24B0	00	00	00	00	43												....COMPARE COM.
24C0	00	00	07	12	00												.....
24D0	00	00	00	00	4D												....MORE ASM.
24E0	00	00	25	13	14												..%.....
24F0	00	00	00	00	4D												....MORE COM.
2500	00	00	03	18	00												.....
2510	00	00	00	00	47												....GETASCIICOM.
2520	00	00	80	19	1A												..€..... !"#\$%
2530	26	27	28	00	47												&'(.GETASCIICOM.
2540	00	00	07	29	00												...)
2550	00	00	00	00	47												....GETBASICCOM.
2560	00	00	80	2A	2B												..€*+,-./0123456
2570	37	38	39	00	47												789.GETBASICCOM.
2580	00	00	3E	3A	3B												..>.:;<=>?@A.....
2590	00	00	00	E5	46												...âFOOTBALL\$\$\$.
25A0	00	00	00	00	00												.....
25B0	00	00	00	E5	E5												...aaaaaaaaaaaaaaaa
25C0	E5	E5	E5	E5	E5												aaaaaaaaaaaaaaaaaaaa
25D0	E5	E5	E5	E5	E5												aaaaaaaaaaaaaaaaaaaa
25E0	E5	E5	E5	E5	E5												aaaaaaaaaaaaaaaaaaaa
25F0	E5	E5	E5	E5	E5												aaaaaaaaaaaaaaaaaaaa



DOS65ok.jpg (116.84 KiB) Viewed 13464 times

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 WIP:HexDOS,FDD Emulator

nama

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Re: DOS/65 Richard Leary

Sat Jul 18, 2015 12:57 pm


Fantastic!!!!

2P (1mhz 32k) - 502 + 8k + CEGMON + garbage collector fix BASIC, D&N MEM-CM9 + 24k, 540 (mono), D13 + Gotek
4PMF (2mhz 24k) - 505, 540, 527, D13 + 5.25" + Gotek
Superboard RevD - CEGMON
Spares - 2 x 527, 1 x 527 [600, 610, D13 boards]

Billo


“

Re: DOS/65 Richard Leary

 Sun Jul 19, 2015 2:16 pm


Very nice!

Box stock Superboard II Rev. B
KLyball replica 600D, replica 610 & KLyball Data Separator
OMS SBME and SBME+ memory cards
OMS Digi-Mule expansion bus
KLyball memory card




dave


Site Admin



Re: DOS/65 Richard Leary

 Sun Jul 19, 2015 2:57 pm


Beautiful!!



RichLeary



Re: DOS/65 Richard Leary

 Tue Jul 21, 2015 4:33 am

Very good!

I just wrote a long reply and when I tried to submit it the system asked me to log in again. When I did I lost the post.

Past my bedtime - I will redo it another day.


Rich



MK14HAK



Re: DOS/65 Richard Leary


 Thu Jul 23, 2015 1:06 am

Ha 😊 that's familiar.

Rich, I have sent you a PM on the forum mail for your thoughts on distribution of these images I have. They may be of interest to some meantime as is until an updated version is available.

Mike

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RichLeary



Re: DOS/65 Richard Leary

Thu Jul 23, 2015 10:19 pm

I tried to send the source code for C1 monitor ROM that makes DOS/65 easy to start up as a file attachment. The forum software would not accept either ASM or TXT as a filename extension.

What is accepted?

Rich

MK14HAK



Re: DOS/65 Richard Leary

Thu Jul 23, 2015 11:06 pm

A zip should work Rich.

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