

# Video Update to OS65-D, For C1PMF

VIDEO UPDATE TO OS65-D, FOR C1PMF, accompanying 52 char.mod:

First commandment: Never write on your original OS-65D diskette!

Boot Disk

UNLOCK (CR)

EXIT (CR)

A\*CALL 0200=13,1(CR)

A\*GO 0200 (CR)

NOTE: Operator entries are  
underscored

- DISKETTE UTILITIES -

1) COPIER

2) TRACK 0 READ/WRITE

?2 (CR)

-TRACK 0 READ/WRITE UTILITY -

COMMANDS:

Rnnnn-READ INTO LOCATION nnnn

Wnnnn/gggg,p-WRITE FROM LOCATION

nnnn FOR p PAGES WITH

gggg AS LOAD VECTOR

E-EXIT TO OS-65D

COMMAND?R4200(CR)

(repeat of above command listing by computer)

COMMAND?E(CR)

A\*EM(CR)

(boot extended monitor)

EM V2.0

:@45A4(CR)

45A4 / 65 48(CR)

(changes this location from \$65 to  
\$48.)

=ADDRLO of STARTCURSOR

(similarly, make the following changes)

ADDRESS	ORIGINAL	NEW	NOTE
45C3	D3	D7	= ADDRHI of STARTCURSOR
45C6	7D	7C	= ADDRLO of ENDCURSOR
45CD	D3	D7	
45D5	D3	D7	
45FB	1F	3F	= test right 5 bits for 64 char. line
45FD	04	07	= left overscan -1
4602	08	0C	= left+right overscan
4608	1F	3F	
460A	1D	3C	= #used char per line+left overscan
460F	07	0B	= left+right overscan -1
4616	D3	D7	
461D	D3	D7	
4624	D3	D7	
4626	65	48	= ADDRLO of START CURSOR
462A	65	48	

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4630          D3          D7
4637          7D          7C
463A          D3          D7
4648          20          40 = scroll by 64 addresses
4649          D3          D7
4653          D3          D7
45D2  put hex. equiv. of desired cursor character here!!
      (See Character Graphics Ref. Manual for favorite).

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having made the above changes,

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:EXIT(CR)          (NOW PUT A BLANK DISKETTE IN THE 'A' DRIVE....
                   BE SURE!!!)

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A*INT(CR)
ARE YOU SURE?Z      (THE blank disk is now formatted)

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A*GO 0200(CR)
- DISKETTE UTILITIES -
1) COPIER
2) TRACK 0 READ/WRITE
YOUR SELECTION
?2(CR)

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- TRACK 0 READ/WRITE UTILITY -
COMMANDS:
Rnnnn-READ INTO LOCATION nnnn
Wnnnn/gggg,p-WRITE FROM LOCATION nnnn FOR p PAGES
      WITH gggg AS LOAD VECTOR
E-EXIT TO OS-650
COMMAND?W4200/2200,8(CR)

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(Repeat printout of above prompts, then:)
COMMAND?E(CR)

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A*GO 0200(CR)          (SINGLE DRIVE OWNERS OMIT BEGINNING HERE,
-DISKETTE UTILITIES - AND INSTEAD, "CALL" EACH TRACK, SECTOR
1) COPIER              INTO MEMORY FROM ORIGINAL DISK, INSERT
2) TRACK 0 READ/WRITE THIS NEW DISK, AND "SAVE" THE TRACK,
YOUR SELECTION          SECTOR FROM MEMORY ONTO THE NEW DISK).
                        (I.e.:
?1(CR)                  Insert old disk
- DISKETTE COPIER -     CALL 01,1=4200
FROM DRIVE (A/B/C/D)?A(CR) Insert new disk
                        SAVE 4200=01,1/8
(put an old disk in 'A' NOTE THAT THE "SECDIR" UTILITY WILL
TO DRIVE (A/B/C/D)?R(CR) GIVE YOU THE NEEDED DATA AS TO THE
STARTING TRACK?01(CR)    # OF SECTORS PER TRACK, AND THE NUMBER
ENDING TRACK?39(CR)      OF PAGES LONG EACH SECTOR IS).
READY?Y (CR)             (FOR EXAMPLE, ON ORIGINAL SYSTEM DISK,
                        TRACK12 IS DIVIDED INTO 4 SECTORS, EACH
                        ONE PAGE LONG, WHICH MUST BE CALLED AND
                        SAVED INDIVIDUALLY).
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A\* (You have now created an OS-65D disk which will boot up with the correct video driver intact)

To update an old disk (and I recommend that you keep your paws off your original system diskette!!!!) simply use the track 0 utility to Read track 0 into memory (R4200 is good) Then insert the disk to be updated into the drive and type COMMAND?W4200/2200,0 (CR)

Insert another disk to be updated and type COMMAND/W4200/2200,8(CR)

However I recommend against trying to update all your disks until after you have produced the one tried and true re-make of the system disk, and have demonstrated to yourself that it boots up correctly.