New DG OF/SYS Format with Cursor for Z-80 System

A new format of TV Storage Dump and keyboard program is included on the front end of this software system. You will notice the new wording of options 3 and 4, and that 5 and 6 are missing.

Pressing option 3 (octal program) will initially result in the familiar register display. However, subsequent operations are somewhat different.

Press the Space Bar. You will notice the page of octal bytes is one line shorter. The major difference is an arrow at the top left pointing to byte 000000 presently. This pointer indicates the byte where programming might take place if desired (since 000000 is in read only memory, no change is possible.) This pointer may be preset by entering the page (H) and byte (L) similar the H&L presetting operation of the older DG OP System's keyboard programming system. Try entering H070 and then L123. Notice where the pointer has now moved to. Since this is RAM area in a 16K or greater system, the observed byte may be changed by entering the desired data. e.g. 321 could be entered from the keyboard. Notice the bottom line "scratchpad effect." The actual data is not entered at the indicated address until after the final entry. Emergency abort may be done by pressing the "reset key" on the system prior to the final entry, with no affect on memory.

The cursor may be incrementally moved around the screen. The Digital Group keyboard with cursor control keys allows the user to move the pointer in the direction indicated by the cursor keys. Keyboards different from this one can move the pointer about if a control H, control J, control K, or control L is entered.

The system will return to the Op Sys by pressing an R or r on the keyboard. Option 4 (Hex Program) is similar to Option 3 except that the display is in Hex.

Command Summary

Space - New memory display page

H 000 (HH) - Preset page (octal or hex)

L 000 (HH) - Preset byte (octal of hex)

R - Return to Op Sys

H CTRL - Move pointer backward

J CTRL - Move pointer down

K CTRL - Move pointer up

L'CTRL - Move pointer forward

000 (HH) - Insert (octal or hex)code at indicated byte

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8108 **************
003346
227346
                             0110 *
                                      POINTER OCTAL/HEX
                             0120 ×
                                      DUMP AND PROGRAM
2v .46
                             2130 ***************
203346
                             0140 *
00334E
                             0150 ×
                                      REPLACES BYTES:
₹03346
                             216Ø *
                                       003346-004377
JØ3346
                             2172 *
                                      001233-001245
303346
                             Ø180 *
                                      MOVE BYTES FROM
€€3345
                             0190 *
                                      005225... TO
2Ø3346
                             22Ø0 *
                                       005124...
32334€
                             221Ø *
203346
                             6556 ****************
223346
                             0230 BEGIN
                                         IJ
                                               SP,002000
203346 061 202 002
                             0240
203351 041 000 000
                                         LD
                                               HL.000000
303354 345
                             225V
                                         PUSH HL
                                         CALL @01258 > KRYDOMA
203355 315 250 001
                             2260 KEY
                             227£
                                         A \times D
                                               337
223360 346 337
                             0230
                                         L \supset
                                               A, C
JØ3362 127
                                               200
                                        CP
                                                     *SPACE FOR NEW PAGE
                            0290 PTEST
003363 376 200
                                               NZ,RTEST
203365 040 003
                             2300
                                         JR
                                               DE *GET RID OF OLD HL
                            Ø31Ø
                                         POP
203357 321
                            Ø32Ø
                                         JR
                                               DCONV
203370 030 114
                             2332 RTEST
                                         POP
                                               _{
m JL}
203372 341
003373 378 322
                                         СP
                                               322 *R RETURN TO OP SYS
                             0340
                                         JΡ
                                               2,205000 - 0 $ 3 xxxx
                             0350
203375 312 000 005
                                               310 *H
                            .0360 HTEST
                                         ΟP
201020 376 310
201102 240 006
                             Ø37Ø
                                         Jκ
                                               NZ,LTEST
001104 315 233 201
                             2332
                                         CALL HLOUT
                             2392
                                         L D
204007 147
                                               H,A
004010 030 274
                             0400
                                         JR
                                               DCONV
204012 376 314
                             2412 LTEST
                                        СP
                                               314
                           92426
                                               NZ,STEST
204214 240 006
                                         JR
ವ0401ರ 315 233 001 −
                             2430
                                         CALL HLOUT
J04021 157
                            2440
                                         LD
                                              L,A
                                               DCONV
                            2452
                                      ' J3
204222 230 062
                            - 0460 *RIGHT ARROW OR CONTROL L FOR SPACE RIGHT
304324
                            0470 STEST
                                         CP
                                               214
204224 376 214
204026 040 003
                            2480
                                         JR
                                               NZ, ETEST
204030 043
                            0490
                                         INC
                                               ΞĹ
                                               DCONV
204231 030 053
                            2500
                                         JΑ
                            2510 *LEFT ARROW OR CONTROL H FOR BACKSPACE
264433
                            0520 PTEST
                                               210
204233 376 210
                                        CP
                            0530
                                              NZ, UTEST
204235 240 003
                                         JΗ
                            0540
804237 253
                                         DEC
                                               ^{\rm HL}
004040 030 044
                            Ø55Ø
                                         JŔ
                                              DCONV
                                              À
                            0560 UTEST
                                         AND
                                                     *CLEAR CARRY
004042 247
                            0572
204043 021 005 000
                                         LD
                                              Dł,000006
                            0580 * UP ARROW OR CONTROL K FOR LINE UP
204846
                                               213
                                         СP
dØ4d46 376 213
                            Ø59Ø
                                         JR
                                              NZ, DTEST
204252 242 204
                            2522
004052 €55 122
                            061Z
                                         830
                                              HL.DE
                            0620
                                         JR
                                              DCONA
204054 030 030
                            0630 * DOWN ARROW, LINE FEED, OR CONTROL J FOR LF
284256
                            0640 DTEST CP
∂<sub>2</sub> 56 376 212
                                               212
204060 040 204
                             0650
                                         JR
                                              NZ,NTEST
004062 355 132
                             6996
                                         ADC
                                              HL,DE
                             0670
                                          JR
                                               DCON!
004064 J30 020
                                  - 4 -
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                                                                 80001
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224050	000	0.40	0.2.1	1.000		LD	A. (001247) OCTAZ/HAYCONS/732
004252 004255			661	1290	HEXCK		H, (Belzit)
204257		OIR		1310	приси		
004260		044		1320	-	TR	7 HTY
104262	315	372	200	1330	\bigcirc C T A T	CATT	000372 - 1016
4265	170	U 1 12	200	1340	OCIAL	I,D	A.B
	217			1350		RRCA	•
204267	017			1.36 Ø		RRCA	
004270	346	300		1370		AND	300
204272	117			1390		${ m LD}$	C, A
304273	315	250	001	1390		CALL	300 C, A 001250 - KAYbard A
004276	107			1400		LD	B, A
004277	315	372	000	1410		CALL	B, A 000372 - 1 27 C A, B
004302	170			1420		LD	A , B
004303	007			1430		RLCA	
004304	007			1440		RLCA	
304305	007			1450		RLCA	
004306	346	Ø7Ø	•	1460		AND	070
004310	201		*	1.470		ADD	C
004311	117			1430		PD.	C, A 001250 - Khybora P B, A
004312	315	250	001	1490		CALL	ลักรวด
004315	107	***	~ ~ ~	1500		TT T	3, h 424772 Auic
004316	315	372	888	1516		CHTT	N D N D
ØØ4321	179	2 A B		1526		TT	A , F 0.07
004322	345	267		1506		ADD	00 r
004324	201			1050		ው ው ጥ ማ እን ከ	•
004325	311	700	000	1500	uъv	CATT	000370 - 1/1/1-
204325	315 177	3.70	200	1500	пьк	- J	A E
004331	1 (10	7=0	201	1500			070 C. C. A. C. C. M. C. M. C. A. P. C. C. A. P. C.
004002	212	332	V K 4	1500	•	BILL	T DADRO
4776	2007			1590 1600 1610		RLCA	•
4336 004337				1610		RLCA	
004300	א א א ממים			1620		RLCA	
984948 388788	107		CØ4	1630			
204041 204742	715	347	001	1540		CALL	B, A HEXER
22434E	200	OTI	OD I	1650		ADD	
004346				1660		RET	- A A A A A
004347		250	0.01		HEXER	CALL	001250 - KA 4/0/A D
004352			~ ~ ~		HEXERS	СP	340
204354				1690		JR	C, UCASE
204356				1700		SUB	040
224362				1710	UCASE	PUSH	AF AUTO
304361		372	000	1720		CALL	000372 - Por C
224364				1730		POP	AF
204365	376	272		1742		CP	272
004367				1750		JP	C,NUMBER
004371				1760		SUE	007
204373				1772	NUMBER		260
004375				1798		RET	
004376				1790		OAG	Ø01233
∂Ø1233		346	300		HLCUT		000346 *ERASE TV
ØØ1236			•	1810		LD	A,D 000372 - Purc
201237				1820			
001242		246	004	1830			ASCII *GET AND PRINT PAGE/PYTE
00124 5	511			1840		RET	
							•