

7	6	5	4	3	2	1	0	BIT
FLASH	BRIGHT	PAPER	PAPER	PAPER	INK	INK	INK	ATR
	EAR		KEY	KEY	KEY	KEY	KEY	IN #XXFE
			REPRO	MIC	BORDER	BORDER	BORDER	OUT #XXFE
PENTAGON			FIRE	UP	DOWN	RIGHT	LEFT	KEMPSTON IN 31
512RAM	256RAM	48LOCK	48ROM	VRAM7	128RAM	128RAM	128RAM	OUT #7FFD 128+ +2
1024RAM	512RAM	STROBE	256RAM	RS/	2	MONITOR	ROM/RAM	OUT #1FFD SCORPION
			STROBE	MOTOR	ROM	ALLRAM	ROM/RAM	OUT #1FFD +2A +3
D7	D6	D5	D4	D3	D2	D1	D0/BUSY	OUT/IN #0FFD +2A +3
128 #80	64 #40	32 #20	16 #10	8 #8	4 #4	2 #2	1 #1	DEC HEX



**6.12.1999 : nairam@nairam.sk**

**DS TRACK**

00	02	04	06	08	0a	0c	0e	10	12	14	..
01	03	05	07	09	0b	0d	0f	11	13	15	..

sector = 256 bytes

**BASIC + BD**

23867	23868	23869	23870	23871
#5D3B	#5D3C	#5D3D	#5D3E	#5D3F
č. RIADKU	DLZKA + 1	ASCII TEXT	CHR 13 RAMTOP	
23755	23756	23757	23758	23759
#5CCB	#5CCD	#5CCE	#5CCF	USR XXXX C0 30E0 YYYX

**BASIC**

START TR-DOS:  
RANDOMIZE USR 15616  
RANDOMIZE USR 15619: REM:  
LOAD " "  
"! " DEVAŠT

TYP	NORMAL	MAXI2
5,25 (40TRK)	1264	1360
3,5 (80TRK)	2544	2672

**ALL RAM**  
OUT 8189,5 > RAM4,RAM5,RAM6,RAM3  
OUT 8189,7 > RAM4,RAM7,RAM6,RAM3  
OUT 8189,1 > RAM0,RAM1,RAM2,RAM3  
OUT 8189,3 > RAM4,RAM5,RAM6,RAM7

**DIRECTORY 0 - 7**

file	typ	sec	start	dlzka
boot	B	012	03062	00051

DISK 16-bytes: boot20202020 42 F60B 3300 0c 00 01

file \_\_\_\_\_

type B=66 (#42)

start 3062 (#0BF6)

dlzka KB 51 (#0033)

dlzka v sectors 12 (#0C)

zaciatočný sektor 00

zaciatočná stopa 01

000 #00 null	052 #34 4 GREEN	104 #68 h	156 #9c M L	208 #d0 FORMAT
001 #01 start head	053 #35 5 CYAN	105 #69 i	157 #9d N Y	209 #d1 MOVE
002 #02 start text	054 #36 6 YELLOW	106 #6a j	158 #9e O R	210 #d2 ERASE
003 #03 end text	055 #37 7 WHITE	107 #6b k	159 #9f P t	211 #d3 OPEN #
004 #04 end trans	056 #38 8	108 #6c l	160 #a0 Q á	212 #d4 CLOSE #
005 #05 acknowledge	057 #39 9	109 #6d m	161 #a1 R í	213 #d5 MERGE
006 #06 PRINT carka eq	058 #3a :	110 #6e n	162 #a2 S ó	214 #d6 VERIFY
007 #07 EDIT bell	059 #3b ;	111 #6f o	163 #a3 SPECTRUM T ú	215 #d7 BEEP
008 #08 kurzor vľavo BS	060 #3c <	112 #70 p	164 #a4 PLAY U ň	216 #d8 CIRCLE
009 #09 kurzor vpravo HT	061 #3d =	113 #71 q	165 #a5 RND N ů	217 #d9 INK
010 #0a kurzor dole LF	062 #3e >	114 #72 r	166 #a6 INKEY \$	218 #da PAPER
011 #0b kurzor hore VT	063 #3f ?	115 #73 s	167 #a7 FI Š	219 #db FLASH
012 #0c DELETE FF	064 #40 @	116 #74 t	168 #a8 PN	220 #dc BRIGHT
013 #0d ENTER CR	065 #41 A	117 #75 u	169 #a9 POINT ř	221 #dd INVERSE
014 #0e číslo SO shift out	066 #42 B	118 #76 v	170 #aa SCREEN \$	222 #de OVER
015 #0f SI shift in	067 #43 C	119 #77 w	171 #ab ATTR	223 #df OUT
016 #10 INK riadenie	068 #44 D	120 #78 x	172 #ac AT	224 #e0 LPRINT
017 #11 PAPER riadenie	069 #45 E	121 #79 y	173 #ad TAB	225 #e1 LLIST
018 #12 FLASH riadenie	070 #46 F	122 #7a z	174 #ae VAL \$ «	226 #e2 STOP
019 #13 BRIGHT riad.	071 #47 G	123 #7b {	175 #af CODE »	227 #e3 READ
020 #14 INVERSE riad.	072 #48 H	124 #7c	176 #b0 VAL	228 #e4 DATA
021 #15 OVER riadenie	073 #49 I	125 #7d ~	177 #b1 LEN	229 #e5 RESTORE
022 #16 AT riadenie	074 #4a J	126 #7e ^	178 #b2 SIN	230 #e6 NEW
023 #17 TAB riadenie	075 #4b K	127 #7f ©	179 #b3 COS	231 #e7 BORDER
024 #18 cancel	076 #4c L	128 #80 ☐	180 #b4 TAN	232 #e8 CONTINUE
025 #19 end of medium	077 #4d M	129 #81 ☐	181 #b5 ASN	233 #e9 DIM
026 #1a substitute	078 #4e N	130 #82 ☐	182 #b6 ACS	234 #ea REM
027 #1b escape	079 #4f O	131 #83 ☐	183 #b7 ATN	235 #eb FOR
028 #1c file separator	080 #50 P	132 #84 ☐	184 #b8 LN	236 #ec GO TO
029 #1d group separator	081 #51 Q	133 #85 ☐	185 #b9 EXP	237 #ed GO SUB
030 #1e record separator	082 #52 R	134 #86 ☐	186 #ba INT	238 #ee INPUT
031 #1f unit separator	083 #53 S	135 #87 ☐	187 #bb SQR	239 #ef LOAD
032 #20 SPACE	084 #54 T	136 #88 ☐	188 #bc SGN	240 #f0 LIST
033 #21 !	085 #55 U	137 #89 ☐	189 #bd ABS	241 #f1 LET
034 #22 "	086 #56 V	138 #8a ☐	190 #be PEEK	242 #f2 PAUSE
035 #23 #	087 #57 W	139 #8b ☐	191 #bf IN	243 #f3 NEXT
036 #24 \$	088 #58 X	140 #8c ☐	192 #c0 USR	244 #f4 POKE
037 #25 %	089 #59 Y	141 #8d ☐	193 #c1 STR \$	245 #f5 PRINT
038 #26 &	090 #5a Z	142 #8e ☐	194 #c2 CHR \$	246 #f6 PLOT
039 #27 .	091 #5b [	143 #8f ☐	195 #c3 NOT	247 #f7 RUN
040 #28 (	092 #5c \	144 #90 A Ě	196 #c4 BIN	248 #f8 SAVE
041 #29 )	093 #5d ^	145 #91 B ž	197 #c5 OR	249 #f9 RANDOMIZE
042 #2a *	094 #5e `	146 #92 C Ž	198 #c6 AND	250 #fa IF
043 #2b +	095 #5f _	147 #93 D ô	199 #c7 <=	251 #fb CLS
044 #2c ,	096 #60 Ě	148 #94 E ô	200 #c8 >	252 #fc DRAW
045 #2d -	097 #61 a	149 #95 F Ô	201 #c9 <>	253 #fd CLEAR
046 #2e .	098 #62 b	150 #96 G ů	202 #ca LINE	254 #fe RETURN
047 #2f /	099 #63 c	151 #97 H ů	203 #cb THEN	255 #ff COPY
048 #30 0 BLACK	100 #64 d	152 #98 I ý	204 #cc TO	
049 #31 1 BLUE	101 #65 e	153 #99 J Ů	205 #cd STEP	
050 #32 2 RED	102 #66 f	154 #9a K Ů	206 #ce DEF FN	
051 #33 3 MAGENTA	103 #67 g	155 #9b L Š	207 #cf CAT	

**TRACK: 0**  
**SECTOR: 8**

235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255
005	024	022	043	0002	171	016	000	000	032	032	032	032	032	032	032	032	032	000	000	000
#05	#18	#16	#2B	#7B	#08	#10	#00	#00	#20	#20	#20	#20	#20	#20	#20	#20	#20	#00	#00	#00

1.VOLNY SEKTOR: 5 (#05)  
1.VOLNA STOPA: 24 (#18)  
TRACK: #16=80TRK; #17=40TRK  
VSETKY SUBORY: 43 (#2B)  
FREE SECTORS: 2171 (#087B)  
ZNACKA TRDOS 16 (#10)  
ZMAZANE SUBORY: 2 (#02)  
DISKNAME:noname

**OUT 32765 (#7FFD),X**

7	VRAM1 (31) C000-DAFF	#FFFF	23 #17
6	16K RAM		22 #16
5	VRAM0 mirror 16kB 16384	32767	21 #15
4	16K RAM		20 #14
3	16K RAM		19 #13
2	32768 #8000	49151 #BFFF	18 #12
1	16K RAM		17 #11
0	49152 #C000	65535 #FFFF	16 #10

0 ROM (128K)	16383 #3FFF	16384 #4000	22527 #57FF	22528 #5800	23295 #5AFF	23296 #5B00	23551 #5BFF	23552 #5C00	23733 #5CB5	23734 #5CB6	23754 #5CCA	23755 #5CCB	23866 #5D3A	23867 #5D3B	RAMTOP (23730-1)	32768 #8000	49151 #BFFF
1 ROM (48K)	PIXELS	LEN: 6144	ATTR	LEN: 768	PRINT BUFER	LEN: 256	SYS 48K BASIC	LEN: 182	MDRIVE	LEN: 21	BETADISK	LEN: 112	BASIC + BD			16K RAM 2	LEN: 16384
16K RAM 5	#C000	#D7FF	#D800	#DAFF	#DB00	#DBFF	#DC00	#DCB5	#DCB6	#DCCA	#DCCB	#DD3A	#DD3B	...	OUT 127,0 (1)	DIDAKTIK GAMA 32K RAM	