

Listing: COMDIN - erzeugt DIN-Tastatur-Programm fuer CP/M

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100 'Comdin
110 'Programm um von Basic aus das File DIN.COM zu erzeugen
120 '
130 MEMORY &8FFF:MODE 2:PRINT"Bitte die Diskette mit SECTOR.BIN einlegen"
140 PRINT"und dann eine Taste druecken ! ":CALL &BB06
150 LOAD"sector.bin",&A600
160 PRINT:PRINT"Nun bitte Ihre CP/M Arbeitsdiskette einlegen"
170 PRINT"und eine Taste druecken !":CALL &BB06
180 OPENOUT"din.com"
190 PRINT#9,STRING$(128,"*"):PRINT#9,STRING$(128,"*")
200 CLOSEOUT:OPENIN"din.com":bn=PEEK(&A719)
210 CLOSEIN:bn =bn*2+18:track=INT(bn/9):sector=bn MOD 9+1
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220 '
230 PRINT:PRINT"Nun lese ich die Daten in den Buffer
240 a=&9000:e=&913F:zb=1000:e=e+1
250 FOR i =a TO e:READ d$:IF LEFT$(d$,1)("&" THEN flag =1
260 IF (flag AND ps<>VAL(d$)) THEN PRINT"Fehler in Zeile "zb+1:END
270 IF (flag AND i=e) THEN GOTO 330
280 IF flag THEN i=i-1:zb=zb+1:ps=0:d$="":flag = 0:GOTO 300
290 d$="&"&d$:POKE i,VAL(d$):ps=ps+VAL(d$):
300 IF i < e THEN NEXT i
310 '
320 'Adressen fuer Maschinenprogramm
330 aktdrivemc=&A702:befehlmc=&A622:buffermc=&A629:drivenmc=&A626
340 formsemc=&A628:trackmc=&A627:mcstart=&A600
350 '
360 buffer$="9000":'           Beginn des Buffers aus dem geschrieben wird
370 form =&40:'           Da DIN.COM fuer CP/M: nur Systemformat erlaubt !!
380 befehl =&85:POKE befehlmc,befehl
390 drive=PEEK(aktdrivemc)
400 '
410 'Werte fuer Bufferadresse berechnen
420 bufflow=VAL("&"&RIGHT$(buffer$,2)):buffhigh=VAL("&"&LEFT$(buffer$,2))
430 '
440 PRINT"Nun wird DIN.COM geschrieben
450 '*****
460 '*exakt einen Sektor schreiben *
470 '*****
480 secform =form+sector:POKE (buffermc),bufflow:POKE (buffermc+1),buffhigh
490 POKE drivenmc,drive:POKE trackmc,track:POKE formsemc,secform:CALL mcstart
500 PRINT"fertig !
510 '
1001 DATA 06,FF,3E,44,CD,39,BB,06,FF,3E,12,CD,39,BB,21,FC,&077B
1002 DATA 01,06,10,C5,7E,23,46,F5,E5,CD,27,BB,E1,F1,23,46,&0787
1003 DATA F5,E5,CD,2D,BB,E1,F1,23,46,E5,CD,33,BB,E1,23,C1,&0A2F
1004 DATA 05,78,FE,00,C2,13,01,21,52,01,11,00,B7,D5,06,AA,&0512
1005 DATA 7E,12,23,13,05,78,FE,00,C2,40,01,E1,22,D4,BD,C3,&069B
1006 DATA 00,00,E5,21,62,B7,FE,40,37,CA,4E,13,21,6A,B7,FE,&06FF
1007 DATA 7E,37,CA,4E,13,21,72,B7,FE,5E,37,CA,4E,13,21,7A,&0683
1008 DATA B7,FE,7B,37,CA,4E,13,21,82,B7,FE,5B,37,CA,4E,13,&07A7
1009 DATA 21,8A,B7,FE,7C,37,CA,4E,13,21,92,B7,FE,5C,37,CA,&0803
1010 DATA 4E,13,21,9A,B7,FE,7D,37,CA,4E,13,21,A2,B7,FE,5D,&0785
1011 DATA 37,CA,4E,13,D5,11,00,38,6F,26,00,29,29,29,19,D1,&047A
1012 DATA B7,C3,4E,13,3E,60,38,6C,38,0C,F8,00,38,6C,6C,7C,&05E5
1013 DATA 66,66,6C,60,38,6C,C6,00,00,00,00,00,66,00,3E,&03A6
1014 DATA 66,66,3B,00,66,3C,66,66,7E,66,66,00,00,66,00,3C,&0461
1015 DATA 66,66,3C,00,C6,7C,C6,C6,C6,C6,7C,00,00,66,00,66,&06AA
1016 DATA 66,66,3C,00,66,00,66,66,66,66,3C,00,1C,7B,5B,1B,&044F
1017 DATA 1A,7D,5D,1D,1D,7C,5C,1C,19,7E,3F,00,2B,7A,5A,1A,&0411
1018 DATA 47,79,59,19,39,33,40,00,18,5E,60,00,11,2B,2A,00,&031A
1019 DATA 13,23,27,1E,16,3C,3E,00,1E,2D,5F,1F,20,30,3D,00,&0261
1020 DATA 27,2C,3B,00,1F,2E,3A,00,29,37,2F,00,00,00,00,00,&01A4

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