

100	MODE 2	[9C50]
110	REM Eprosser	[A9FA]
120	REM *****	[CEBA]
130	REM *	[1C50]
140	REM * Von Udo Reetz und Andreas Loh	[025C]
150	REM *	[725C]
160	REM *	[095E]
170	REM *****	[A994]
180	REM Initialisierung	[45DA]
190	WINDOW #0,1,00,3,23	[5ECC]
200	WINDOW #1,1,00,1,2	[0154]
210	WINDOW #2,1,00,25,25	[532E]
220	zaehler=0	[7E10]
240	ou=&FB00	[D1F4]
250	.	[E1BC]
260	REM Hauptmenue	[39B0]
270	LOCATE 10,1:PRINT"Eprosser"	[AC42]
280	LOCATE 10,3: PRINT"Sie haben folgend	[2644]
290	e Moeglichkeiten:"	
290	LOCATE 10,5: PRINT"(2 SPACE)Epros au	[4320]
300	slesen(17 SPACE)1"	
300	LOCATE 10,7: PRINT"(2 SPACE)Epros pr	[AF0E]
310	oorganisieren(12 SPACE)2"	
310	LOCATE 10,9: PRINT"(2 SPACE)Epros ve	[46BA]
320	rifizieren(13 SPACE)3"	
320	LOCATE 10,11:PRINT"(2 SPACE)Epros Le	[0FBC]
330	erliest(17 SPACE)4"	
330	LOCATE 10,13:PRINT"(2 SPACE)Speicher	[1FEC]
340	laden(17 SPACE)5"	
340	LOCATE 10,15:PRINT"(2 SPACE)Speicher	[7E26]
350	save(17 SPACE)6"	
350	LOCATE 10,17:PRINT"(2 SPACE)Ende(27	[12C6]
360	SPACE)7"	
360	LOCATE 10,20:PRINT"Druucken sie die	[0570]
	entsprechende Taste "	

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370 ein$=INKEY$:IF ein$="" THEN 370      [509C]
380 ON VAL(ein$) GOTO 580,760,670,850,92 [8712]
    0,970,1660                             [FF5E]
390 GOTO 370                             [8806]
400 .                                     [F2E8]
410 REM Dateneingabe                     [5B06]
420 CLS#0
430 PRINT:PRINT "Anfangsadresse in Eprom
    (& SPACE)<HEX>":INPUT A#              [6EAC]
440 IF A#="" THEN 430                    [63A6]
450 PRINT:PRINT "Endadresse in Eprom(10
    SPACE)<HEX>":INPUT E#                [826A]
460 IF E#="" THEN 450                    [17B6]
470 PRINT:PRINT "Startadresse in RAM(10
    SPACE)<HEX>":INPUT ST#               [D7DA]
480 IF ST#="" THEN 470                    [7682]
490 a=VAL("&" + a$):e=VAL("&" + e$):st=VAL("&"
    + st$)                                [8C12]
500 PRINT:PRINT "Wollen Sie einen Hexdum
    p haben?( SPACE)<J/N>"              [2110]
510 he$=UPPER$(INKEY$)                  [CC12]
520 IF he$<>"J" AND he$<>"N" THEN 510    [A2E8]
530 IF he$="J" THEN he=1 ELSE he=0      [51E8]
540 CLS#0                                [3DDC]
550 adr=a                                 [321E]
560 RETURN                                [AA36]
570 .                                     [E3C6]
580 REM Eprom auslesen                  [C888]
590 va=0                                  [818C]
600 PRINT#2,"(7 SPACE)LESEN"           [52BE]
610 GOSUB 410                            : REM Datenei
    ngabe                                [19B2]
620 GOSUB 1240                          : REM Schalt
    erstellung                          [9FC2]
630 IF he=1 THEN GOSUB 1100 : REM Hexdum
    p                                  [B29A]
640 GOSUB 1310                          : REM Eprom
    lesen                                [8CEE]

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**Listing. Die Treibersoftware für unseren EPROMer
ist völlig in Basic gehalten**

(Fortsetzung auf Seite 124)

650	GOTO 1100	: REM Progra	[8B56]
660	eteil Ende		[72C6]
670	REM Epron verifizieren		[78EC]
680	ve=1		[368E]
690	he=0		[63F2]
700	PRINT#2,"(7 SPACE)VERIFIZIEREN"		[48F6]
710	GOSUB 410	: REM Datei	
	ngabe		[35B4]
720	GOSUB 1240	: REM Schalt	
	erstellung		[88C4]
730	GOSUB 1310	: REM Epron	
	lesen		[43EE]
740	GOTO 1100	: REM Progra	
	eteil Ende		[3456]
750			[E5C6]
760	REM Epron programmieren		[85B8]
770	PRINT#2,"(7 SPACE)PROGRAMMIEREN"		[DE98]
780	GOSUB 410	: REM Datei	
	ngabe		[B692]
790	GOSUB 1240	: REM Schalt	
	erstellung		[36D2]
800	IF he=1 THEN GOSUB 1100	: REM Hexdum	
	p		[4198]
810	GOSUB 1460	: REM Epron s	
	chreiben		[88F8]
820	GOTO 1100	: REM Progra	
	eteil Ende		[D454]
830	RETURN		[4336]
840			[74C6]
850	REM Leertest		[FA12]
860	PRINT#2,"(7 SPACE)LEERTEST"		[38B8]
870	a=0:ie=63FFF: la=1:ve=2		[5C62]
880	GOSUB 1310	: REM Epron l	
	esen		[87BA]
890	la=0		[69FE]
900	GOTO 1100	: REM Progra	
	eteil Ende		[4852]
910			[8DC2]
920	REM Laden		[8946]
930	Lad=1		[9676]
940	PRINT #2,"(12 SPACE)DATEN LADEN"		[463E]
950	GOTO 995		[FD7C]
960			[B4CC]
970	REM Save		[7882]
980	PRINT#2,"(14 SPACE)DATEN SAVEN"		[63B8]
990	lad=0		[36C8]
995	CLS#0		[5CF8]
1000	INPUT "Geben Sie den Dateinamen ein		
	(7 SPACE):",dat#		[E3C6]
1010	INPUT "Geben Sie die Startadresse e		
	in(5 SPACE):",start		[E88E]
1020	INPUT "Geben Sie die Laenge ein(11		
	SPACE):",laenge		[EEBA]
1030	IF la=1 THEN LOAD dat#		[FCB4]
1040	IF la=0 THEN SAVE dat#,b,start,laen		
	ge		[C6D2]
1050	RETURN		[C78C]
1060			[931C]
1070	REM Hexdum		[C38E]
1080	zaehler=zaehler+1		[11B8]
1090	IF zaehler<17 THEN PRINT USING "% \		
	";HEX\$(daten);:RETURN		[EBF8]
1100	PRINT		[ASDE]
1110	PRINT USING "%(3 SPACE)\";HEX\$(adr)		
	:		[D832]
1120	IF Zaehler=0 THEN RETURN		[5634]

1130	PRINT USING "\ \":HEX\$(daten);	[4460]
1140	zaehler=1	[CA7E]
1150	RETURN	[848E]
1160	'	[851E]
1170	'	[8420]
1180	REM Ende des Programmteiles	[E862]
1190	PRINT:PRINT:PRINT"fertig(2 SPACE)-(
	2 SPACE):zum Weitersuchen Taste drue-	
	cken"	[54C4]
1200	eing=INKEY\$:IF eing="" THEN 1200	[A140]
1210	CLS #0:GOTO 260	[66C0]
1220	RETURN	[A80A]
1230	'	[881A]
1240	REM Kontrolle, ob Schalter richtig	
	steht	[A8D4]
1250	CLS #1:PRINT #1,"Kontrollieren Sie	
	bitte die Schalterstellung auf der	
	Platine(3 SPACE)<Taste>";	[D034]
1260	Eing=INKEY\$:IF eing="" THEN 1260	[E310]
1270	CLS #1	[0300]
1280	RETURN	[F796]
1290	'	[DE26]
1300	REM Eeprom lesen	[2044]
1310	FOR adr=a TO e	[C512]
1320	ah =INT(adr/256)	[1856]
1330	al =adr-ah*256	[FCCA]
1340	OUT ou+3,&X10010000	[569C]
1350	OUT ou+1,al	[1A34]
1360	OUT ou+2,ah	[1130]
1370	daten=INP (ou)	[FFA0]
1380	IF le=1 AND daten<> &FF THEN PRI	
	NT"Fehler in ":HEX\$(Adr)	[8FFC]
1390	IF ve=0 THEN POKE adr+st,daten	[E806]
1400	IF ve=1 THEN aus1=PEEK (adr + st	
):IF aus1<>daten THEN GOSUB 1620	[6472]
1410	IF he=1 THEN GOSUB 1070	[EACE]
1420	NEXT adr	[68FA]
1430	RETURN	[AF90]
1440	'	[9500]
1450	REM Eeprom programmieren	[EF12]
1460	FOR adr=a TO e	[D81E]
1470	ah =INT(adr/256)	[1362]
1480	al =adr-ah*256	[0506]
1490	daten=PEEK (adr+st)	[ECAC]
1500	OUT ou+3,&X10000000	[5696]
1510	OUT ou+3,&X0	[F0F6]
1520	OUT ou+1,al	[1A32]
1530	OUT ou,daten	[68FA]
1540	OUT ou+2,ah OR 128	[EF20]
1550	t=TIME	[8756]
1560	IF TIME-t<10 THEN 1560 :REM Prog	
	rammierimpuls ca. 50ms	[ED2E]
1570	OUT ou+2,ah	[0336]
1580	IF he=1 THEN GOSUB 1070	[0A1E]
1590	NEXT adr	[288A]
1600	RETURN	[788E]
1610	'	[8E1E]
1620	REM Fehlerbehandlung bei Verify	[9100]
1630	PRINT HEX\$(adr),"Sollwert=":HEX\$(au	
	sl),"Istwert=":HEX\$(daten)	[AE76]
1640	RETURN	[F096]
1650	'	[E226]
1660	END	[5780]