



# Tech Info Library

## Apple Writer IIe: DOS version--Patch for the IIc

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Security: Everyone

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Following is the Apple Writer II Utility Program which updates, for running on an Apple IIc, the DOS 3.3 version of Apple Writer for the IIe only.

To use this patch on your system, start by capturing the BASIC code listed below, using MacTerminal and Access II (DOS 3.3).

Remember to capture ONLY the BASIC code portion of this message. As an alternative, you could capture the entire message and then edit out the unwanted portions with a text editor. Save the file as a standard DOS 3.3 text file with the name PATCH.TEXT. Type the following from the keyboard:

```
EXEC PATCH.TEXT
```

You will see several "]"s scroll by at this point. When this stops and the cursor returns, type:

```
SAVE PATCH APPLEWRITER IIE
```

```
RUN PATCH APPLEWRITER IIE
```

Insert your Apple Writer II master disk and press the Return key. You only need to update your Apple Writer disk once.

After updating your Apple Writer IIe disk, mouse characters will appear on the screen, but only when capital letters are shown in inverse--for example, a capitalized file name appearing on the data line, or when the blinking cursor moves over a capital letter.

NOTE: The utility program does not convert Apple Writer to run under ProDOS.

```
100 TEXT : SPEED= 255
105 ONERR GOTO 500
110 D$ = CHR$(4): REMCTRL-D
115 BEL$ = CHR$(7): REMBELL
120 CR$ = CHR$(13): REMRETURN
125 ESC$ = CHR$(27): REMESCAPE
```

```

130  NORMAL : HOME
135  PRINT "APPLEWRITER II UTILITY PROGRAM"
140  VTAB 4: PRINT "USE THIS PROGRAM TO UPDATE YOUR"
145  PRINT "DOS 3.3 APPLEWRITER II FOR USE"
150  PRINT "ON AN APPLE IIC COMPUTER."
155  VTAB 10: PRINT "INSERT YOUR APPLEWRITER II MASTER DISK"
160  PRINT "INTO THE DISK DRIVE AND PRESS 'RETURN' ";
165  GET A$: IF (A$ < > CR$) AND (A$ < > ESC$) GOTO 165
170  IF (A$ = ESC$) THEN HOME : END
175  PRINT
200  HOME : VTAB 12: PRINT "CAREFULLY UPDATING YOUR DISK....."
205  PRINT D$;"UNLOCK OBJ.APWRTIIE"
210  PRINT D$;"BLOAD OBJ.APWRTIIE"
215  GOSUB 300
220  HOME : VTAB 12: PRINT "CAREFULLY UPDATING YOUR DISK....."
225  PRINT D$;"BSAVE OBJ.APWRTIIE, A$1900, L$2F58"
230  PRINT D$;"LOCK OBJ.APWRTIIE"
235  PRINT D$;"UNLOCK OBJ.APWRTIIF"
240  PRINT D$;"BLOAD OBJ.APWRTIIF"
245  GOSUB 300
250  PRINT D$;"BSAVE OBJ.APWRTIIF, A$1900, L$30D1"
255  PRINT D$;"LOCK OBJ.APWRTIIF"
260  HOME : VTAB 12: PRINT "YOUR DISK IS NOW UPDATED."
265  NEW
300  HTAB 11
305  FOR I = 1 TO 10
310  READ AD$,VA$
315  A$ = AD$: GOSUB 400:DA = C
320  A$ = VA$: GOSUB 400:DV = C
325  PRINT ".";
330  POKE DA,DV
335  NEXT I: PRINT
340  RETURN
400  C = 0
405  FOR X = LEN (A$) TO 1 STEP - 1
410  B$ = MID$ (A$,X,1)
415  IF B$ = "A" THEN K = 10: GOTO 450
420  IF B$ = "B" THEN K = 11: GOTO 450
425  IF B$ = "C" THEN K = 12: GOTO 450
430  IF B$ = "D" THEN K = 13: GOTO 450
435  IF B$ = "E" THEN K = 14: GOTO 450
440  IF B$ = "F" THEN K = 15: GOTO 450
445  K = VAL (B$)
450  C = C + 16 ^ ( LEN (A$) - X) * K
455  NEXT X
460  RETURN
500  HOME : VTAB 11: PRINT BEL$
505  IF ( PEEK (222) < > 4) GOTO 515
510  PRINT "YOUR DISK MUST NOT": PRINT "BE WRITE PROTECTED!":
    GOTO 520
515  PRINT "I/O ERROR!": RESTORE
520  FOR D = 0 TO 1000: NEXT : REMDELAY
520  GOTO 130

```

600 REMDATA IS IN FORMAT OF HEX ADDRESS FOLLOWED  
601 REMBY THE NEW VALUE  
605 DATA2EC0,F2,2ED4,FA,2EB7,F6,2E98,EC,2E94,F5  
610 DATA417F,ED,4185,EC,418B,F0,4191,F4,4197,E6  
615 DATA3017,F2,302B,FA,300E,F6,2FEF,EC,2FEB,F5  
620 DATA42F8,ED,42FE,EC,4304,F0,430A,F4,4310,E6

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