



Tech Info Library

Business Basic III: Custom characters on a DMP

The following sample program defines a custom character on the Apple Dot Matrix Printer, using Apple Business BASIC and a parallel driver named ".DMP".

```

                $30_$78_$FC_$FC_$FE_$FD_$49_$00
wire #1 | ___|___|___|___|___|_*_|_*_|___| (LSB no descenders)
wire #2 | ___|___|___|___|_*_|___|___|___| (LSB with descenders)
wire #3 | ___|___|_*_|_*_|_*_|_*_|___|___|
wire #4 | ___|_*_|_*_|_*_|_*_|_*_|_*_|___|
wire #5 |_*_|_*_|_*_|_*_|_*_|_*_|___|___|
wire #6 |_*_|_*_|_*_|_*_|_*_|_*_|___|___|
wire #7 | ___|_*_|_*_|_*_|_*_|_*_|_*_|___|
wire #8 | ___|___|_*_|_*_|_*_|_*_|___|___| (MSB no descenders)
wire #9 | ___|___|___|___|___|___|___|___| (MSB with descenders)

10  esc$=CHR$(27):REM Escape
12  OPEN#1, ".dmp":OUTPUT#1
14  PRINT esc$;"Z";CHR$(0);CHR$(32):
    REM Set 8 bit format on printer
16  PRINT esc$;"-":REM Declare as 8x8 character
18  PRINT esc$;"I";:REM Load Character Generator command
20  PRINT "!";:REM Assign new character to "!"
22  PRINT CHR$(8)::REM No descender in character
24  PRINT CHR$(TEN("0030"));CHR$(TEN("0078"));CHR$(TEN("00FC"));
    CHR$(TEN("00FC"));CHR$(TEN("00FE"));CHR$(TEN("00FD"));
    CHR$(TEN("0049"));CHR$(TEN("0000"));
26  PRINT CHR$(4):REM End of character
28  PRINT esc$;"D";CHR$(0);CHR$(32):
    REM Reset 7 bit format on printer
30  PRINT esc$;"'":REM Select alternate character set
32  PRINT "!":REM Try new character
34  PRINT esc$;"$":REM Return to pre-set character set
36  CLOSE:END
38  REM By Grover Nunnery - Apple Computer - Charlotte, NC
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```

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