



Tech Info Library

Apple III: Console Driver--Changing the Character Set

The console driver has a control call that will load up to eight new character definitions for the video display. Here is a Pascal program that will change one character.

```
PROGRAM SWAP;
VAR
  UNITNUM      : INTEGER;

  REQUESTCODE  : PACKED RECORD
    CHANNEL      : 0..1;
    STAT_OR_CTRL : 0..1;
    REQUEST_NUM  : 0..255;
    RESERVED     : 0..63;
  END;

  DATA        : PACKED RECORD
    NUMBER      : 0..255;
    CHARACTER   : CHAR;
    INFO        : PACKED ARRAY [1..8] OF 0..255;
  END;

BEGIN
  WITH REQUESTCODE DO BEGIN
    CHANNEL:=0;
    STAT_OR_CTRL:=1;
    RESERVED:=0;
    REQUEST_NUM:=17; { character replace code }
  END;

  WITH DATA DO BEGIN
    NUMBER := 1;      { How many characters to change }
    CH := ' ';       { which character to change }
    INFO [1] := 255; { character definition }
    INFO [2] := 255; { See page 166 of the }
    INFO [3] := 255; { STANDARD DEVICE DRIVER MANUAL }
    INFO [4] := 255;
    INFO [5] := 255;
    INFO [6] := 255;
    INFO [7] := 255;
    INFO [8] := 255;
  END;
END;
```

```
UNITNUM:=1;  
UNITSTATUS (UNITNUM, DATA, REQUESTCODE);  
WRITELN ('ALL_SPACES_WILL_NOW_DISPLAY_AS_' '!');  
END.
```

Apple Tech Notes

Keywords: <None>

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