



Tech Info Library

Apple III: Console Driver--Changing the Character Set

Revised: 10/29/84
Security: Everyone

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;

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

Apple Tech Notes

Tech Info Library Article Number:24