



SP

J.G. Fountain gives your Amstrad a schizoid screen.

The PROGRAM **SPLIT** uses the built-in interpage features on the Amstrad to split the display into separate areas and provide them with separate colour pallettes, thus allowing the machine to have more colours on screen than normal. The program actually splits the screen into two sections, the upper retaining the normal colour pallette and hence responding to the normal Basic commands for controlling the ink colours.

The lower area however is given a completely new pallette and hence new commands have to be provided to control the ink through the

colours available are the same 27 hardware colours.

The new commands are provided using Resident Screen Extensions, which have been well described in various publications and are fully documented in the Complete CPC 464 Operating System Firmware Specification 464-005. Basically an RSE command is a user-defined extension to the Basic language and provides a method for calling machine code routines by name rather than address.

For the control of the lower area of the screen 4 RSE commands are provided:

SPLIT *px,py* — splits the screen at position *p* where *p* is in the range of 0 to 4, 0 being the bottom of the screen and 4 being the top. *y* is ink are associated with the new pallette *y*. If not none of the ink are changed in the lower area of the screen, if *y* is 0 then all of them are changed the header always being split.

SPLITOFF — restores the display area to its normal format.

LOINKL *y* — sets ink *i* to colour *y* in the lower area of the screen.

LOINKDR *y* — sets the header to colour *y* in the lower area of the screen.

These RSE's have to be initialised by the Basic instruction

CALL \$A000

though this address can be changed by changing the two ORG's definitions in the assembly part

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100  REM ***** BASIC PROGRAM *****
110  REM ***** SCREEN SPLIT *****
120  REM ***** INITIALISATION *****
130  REM ***** SCREEN SPLIT *****
140  REM ***** SCREEN SPLIT *****
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