

Concurrent CP/M-86™
Operating System
Version 2.0
Application Note 01

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Application Note 01
SYSTAT & GENCCPM Cursor Addressing

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Two Concurrent CP/M-86™ utilities perform screen manipulation that can be terminal dependent: GENCCPM and SYSTAT. These utilities assume they are running on VT52 consoles. If your terminal has a different cursor handling sequence, you will need to patch these utilities.

If you must patch GENCCPM, first make sure you have a back-up copy of GENCCPM.CMD. The sample DDT-86™ session below patches the clear screen command of GENCCPM into a sequence of line feeds (ASCII 0AH). There is a region of 24 characters available at location 02EH (offset from the beginning of the program's data area) which is printed to clear the screen. Whatever escape sequence you enter here must be terminated by an ASCII 00.

```
A>ddt86
DDT86 1.1
-rgenccpm.cmd
  START      END
nnnn:0000 nnnn:BB7F
-s9e4e
nnnn:9e4E 1B 0a
nnnn:9e4F 48 0a
nnnn:9e50 1B 0a
nnnn:9e51 45 0a
nnnn:9e52 00 0a
nnnn:9e53 0A .
-wgenccpm.cmd
-^c
```

For SYSTAT, make sure you have a copy of SYSTAT.CMD before installing the patch. SYSTAT uses two cursor sequences, Clear Screen and Home Cursor. There are 6 bytes reserved for each sequence. The first byte of each sequence is the number of characters to print in the sequence. The following patch will disable these code sequences entirely. You should modify this patch appropriately for the terminal you will be running SYSTAT on.

```
A>ddt86
DDT86 1.1
-rsystat.cmd
  START      END
nnnn:0000 nnnn:42FF
-s247B      /* the Clear Screen sequence */
nnnn:247B 02 0
nnnn:247C 1B 0
nnnn:247D 45 0
nnnn:247E 00 0
nnnn:247F 00 0
nnnn:2480 00 .
-s2481      /* Home Cursor sequence */
nnnn:2481 02 0
nnnn:2482 1B 0
nnnn:2483 48 0
nnnn:2484 00 0
nnnn:2485 00 0
nnnn:2486 00 .
-wsystat.cmd
-^C
```