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Macintosh Portable: How To Disable Rest Mode (11/94)

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Revised:        11/17/94
Security:       Everyone
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Article Created: 31 May 1990
Article Reviewed/Updated: 17 November 1994

TOPIC ---

My Macintosh Portable cycles the clock speed down after a few minutes when
running programs. What's going on?

DISCUSSION --

The slowdown that you are experiencing is actually called Rest Mode.

The Power Manager processor monitors the amount of time the Macintosh Portable
has been inactive. After a period of 15 seconds without any activity, the unit
goes into Rest mode. It causes the CPU to insert 64 wait states into RAM and
ROM accesses, which lowers the effective clock rate to approximately 1MHz.
Interrupts continue to be processed at the same rate. As soon as the trackball
or mouse moves, or any peripheral device is activated, the computer returns to
full speed instantly.

The following items are checked and stop the unit from entering rest mode:
 - Mouse movement
 - I/O activity (keyboard, trackball, modem, and so on)
 - Cursor change
 - Serial port access

This feature can be turned off when running Video Works or some other program
that avoids detection by the rest routine. You can disable rest mode by doing
this:

1) Enter the Control Panel DA and select the Portable CDEV.

2) Hold Down the Option key and press on the words "Minutes Until Automatic
   Sleep".

3) Click "Don't Rest" in the dialog box that appears and select "OK".

Article Change History:
17 Nov 1994 - Reviewed for technical accuracy.

Support Information Services

Tech Info Library Article Number:5684