Tech Info Library

Newton MessagePad: Reducing Out Of Memory Problems (2/94)

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TOPIC ---

When printing, running programs, or performing backups, I often get "out of
memory" messages on my Newton MessagePad. How can I reduce this problem?

DISCUSSION --

If you have ROM version 1.0 and System Update 1.04 or earlier, you should
upgrade to the latest version of the System Update. This will help reduce
"out of memory" problems because the Newton System is allocated 32K more
memory.

Also, early system updates had problems displaying many bit-mapped images and
often fragmented system memory. These problems do not affect MessagePads with
ROM version 1.1 or later.

Here are some tips for better memory performance:

1) Remove programs that you no longer use, including programs that reside on
   a memory card. Each additional program, besides those located in the
   Newton's ROM, takes up an additional 2K of heap memory.

2) Close the Extras drawer after running any application. This will save
   another 3K of system memory.

3) Avoid using a large number of programs that are run continuously after
   installation. These programs consume large amounts of system memory and
   slow performance.

   You can identify these types of programs by the way they work. If you have
   a program that always adds a button on a particular screen or has a
   "floating" window that is always available, it may be a program that is
   always running.

4) Reset the MessagePad. This will rebuild the memory areas and remove
   deallocated memory which will free memory space and improve performance.

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