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## Apple IIGS: RAM's Effect on Reconnecting to Server After Crash

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### TOPIC -----

I have a 1MB and a 1.25MB Apple IIGS computer on an AppleShare network. When these computers crash with an application open, the 1MB and 1.25MB models behave differently:

- The 1.25MB Apple IIGS always reboots correctly from the server.
- The 1MB Apple IIGS has to be turned off completely for 30 seconds to a minute before it can re-connect to the server. Trying to re-connect before waiting causes the 1MB Apple IIGS to hang on the "Welcome to the IIGS" greeting.

I've placed a 256K Memory Expansion Card in a different 1MB Apple IIGS with no problem rebooting. Also, when shutting down the AppleShare server, the notification of loss of server services is shown on the 1MB Apple IIGS as if it has a good connection to the server.

### DISCUSSION -----

We assume you are talking about 1MB on the Apple IIGS' logic board rather than 256K on a 1MB Apple IIGS expansion board.

The newer 1MB logic board of the newer Apple IIGS does indeed use less power than the previous 256K logic board. It is not necessarily the RAM chips that stay powered, but the several CMOS chips and capacitors on the logic that retain the voltages. There is no solution for your problem other than to fully expand the memory with a RAM card to create more of a power drain -- or, as you have discovered, leave your 1MB computers off for the 30 seconds after you have a crash.

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