

# **mi** MICRO INNOVATIONS

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Thank you for purchasing a Micro Innovations 1MB or 2MB expansion memory card for your Coleco ADAM computer. We have done our best to ensure that you have been delivered a high quality unit. Your unit was tested at the factory and was working when it was shipped. So, before you begin installation, please verify that it has not been damaged in shipment. If it is damaged, please inform your dealer immediately.

Installation of your memory board is relatively simple. With the ADAM computer powered off, insert the circuit board into the rightmost expansion slot in the CPU enclosure - the memory card can only be inserted into the right slot and only in the correct orientation. Please note that the 1MB memory card has memory modules installed only on one side of the circuit board (the left side, when viewed from the front of the ADAM) while the 2MB version has memory modules installed on both sides.

Now you will need to run a jumper wire from your printer interface card, addressor card, MIB2, or Powermate interface card (which occupies the center expansion slot) to the memory card. If you purchased a Micro Innovations card which provides the addressor function, the installation procedures included with that card detail the connections required. If you have a card from another manufacturer, please contact your dealer for directions on where to connect the wire onto the center slot card.

The memory card allows for two wires to be connected from it to your center slot card to the memory card. If you experience erratic operation of the memory card, the second wire may be required. The required wire is the memory bank select signal from the center slot card. It connects to Pin 1 of the J1 connector located at the lower left corner of the memory card (oriented towards the front of the ADAM when the card is installed). Pin 2 allows a ground wire to be connected between the cards in a "twisted pair" configuration to reduce noise picked up by the bank select wire. On most installations, the single wire is sufficient.

Both cards work immediately when the ADAM is powered up (bank 0 is selected by the hardware). Some applications programs will automatically determine how much memory is available and use it all. Others will use only as much as they are designed for (a good example of this is PowerPaint, which only finds 512K).

Please note that your 1MB card can be upgraded to 2MB of memory, but only by Micro Innovations (to accomplish the upgrade, additional memory modules and a different logic chip must be installed). Please contact your dealer to have your card upgraded.

No software is included with the memory board. However, we do run a bulletin board system which contains quite a lot of software written for the ADAM. Current offerings include the latest versions of many popular public domain programs, including the TDOS operating system. The BBS is on-line from 6:30 PM on Fridays to 6:30 AM on Mondays (weekends) and all day on holidays. Please do not call the BBS during the normal 8:00 AM to 5:00 PM hours, Monday through Fridays, as the line is used for other business purposes during those hours.

If you experience any problems with your memory card, please call the dealer you purchased it from. He or she is responsible for providing you with troubleshooting assistance, or repair or replacement of your board should the situation warrant it. Your dealer will give you further instructions as to what to do if he or she cannot help you solve your problem by telephone or by correspondence.

Again, thank you for purchasing one of our memory cards!  
and happy computing -

Sincerely yours,

Mark D. Gordon