

mi MICRO INNOVATIONS

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Thank you for purchasing a Micro Innovations 64K or 256K expansion memory card for your Coleco ADAM computer. We have done our best to ensure that the unit you have purchased is of the highest quality possible. Before beginning 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 new style memory card can only be inserted into the right slot and only in the correct orientation (with the components facing the right side of the computer). The older style memory board can be installed in either the right or left slots. However, it will only work when installed in the right slot. The two cards can be distinguished from each other as follows: When looking at the card from the component side with the gold edge connector oriented downward, the new version has a 24 pin integrated circuit at the lower left of the board (labelled "GAL22V10"). The older version has a 20 pin chip in this location (labelled "GAL16V8").

If you have a 64K memory board, there is no further hardware installation required. However, if you have a 256K board, 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 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.

Two wires can be connected from your center slot card to the memory card. If you experience erratic operation of the memory card, the second wire may be required. The memory bank select signal from the center slot card connects to Pin 1 of the "Bank Select" connector located at the lower left corner of the memory card. 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, a single wire is sufficient.

Both versions of the 64K card and the new version of the 256K card work immediately when the ADAM is powered up (bank 0 is selected by the hardware). If you have the older 256K card, you must run a program that sends a software instruction to enable bank 0 before you can use it. Your dealer can supply you with this program.

Please note that your 64K card can be upgraded to 256K of memory, but only by Micro Innovations (to accomplish the upgrade, additional memory chips and a bank select logic chip must be added). 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 between 6:30 PM and 6:30 AM every weekday night, and 24 hours a day on weekends and 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