

Mi MICRO INNOVATIONS

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Thank you for purchasing a Micro Innovations printer interface 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 printer card is relatively simple. With the ADAM computer powered off, insert the circuit board into the center expansion slot in the CPU enclosure - the board can only be inserted one way into the slot (with the components facing the right side of the computer).

The printer cable plugs into J2 on the printer card. Note that pin 1 is marked on the card. If you are using a Micro Innovations printer cable, the Red line on the ribbon cable will be adjacent to Pin 1 on the connector. The Micro Innovations cables are keyed to prevent the cable from being inserted into the connector backwards. Other vendor's cables may also work. However, they may need to be plugged into the connector backwards. You probably won't damage the printer interface card if you inadvertently plug the cable in backwards, as long as you are connecting to a Centronics-compatible parallel printer. An RS-232 serial printer will not work with this card and will damage the card if you plug it in and attempt to drive it.

If you wish to use the printer card with a 64K memory expansion board, no further hardware installation is required. However, if you wish to use it with a 256K, 1MB or 2MB memory board, you will need to run a jumper wire from the printer interface card to your memory card. If you purchased a memory card from Micro Innovations, the installation procedures included with that card detail the connections required. However, if you have a memory card from another manufacturer, these installation procedures do not specify where to connect the wire onto the printer interface card.

Two wires can be connected from the printer interface card to your memory card. If you experience erratic operation of the memory card, the second wire may be required. The memory bank select signal from J3 Pin 1 of the printer interface card connects to your memory card. J3 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.

If you desire to install a PROM on your printer interface board, it goes into the 28 pin integrated circuit socket (U7) flush against the LEFT end of the socket, with pin 1 (with the notch or dot) towards the right of the board. In addition, the jumpers must be set according to the type of PROM installed. As it is shipped, it is set up for a 2732 EPROM (24 pins) with a jumper from 7 to 8. A complete list of the jumpers follows:

- 1 to 2: Printer port disable (memory expander only)
- 3 to 4: PROM is a 2764 or a 27128 (28 pins)
- 5 to 6: PROM is a 27256 (28 pins)
- 7 to 8: PROM is a 2732 (24 pins)
- 9 to 10: PROM is a 27128 or a 27256 (28 pins).

Your dealer can supply you with patch software to allow you to run a parallel interface printer with EOS (SmartWriter and SmartBASIC). That software is also available on the Micro Innovations bulletin board system. The BBS also contains many other programs 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 printer 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 card 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 printer interface cards! and happy computing -

Sincerely yours,

Mark D. Gordon