



MARKETING COMMUNICATIONS

New Products

Bulletin #

Date:

The ADAM™ Universal Interface RS-232/Parallel

ADAM™ is now more expandable than ever before with the ADAM™ Universal Interface RS-232/Parallel! The Universal Interface connects a variety of peripherals to ADAM™ that use either the popular RS-232 serial connector or the popular Centronics parallel connector. It allows programmers the freedom to choose hardware other than that available for ADAM™ specifically. This "adapter" quality allows users to connect other printers, plotters, modems, and input devices to their ADAMS. The ADAM™ Universal Interface hooks into ADAMNet™. The user may connect up to two ADAM™ Universal Interfaces to allow use of, say, a printer and a plotter simultaneously!

The ADAM™ Universal Interface is software compatible with Smartbasic™, CP/M^R, and other software specially designed to use it!

Advanced programmers will more than appreciate this added versatility in the already versatile ADAM™!

- Connects ADAM™ to a variety of plotters, printers, modems, and input devices!
- Makes ADAM™ more expandable and adaptable than ever before!

CP/M^R is a registered trademark of Digital Research, Inc.

1.0 SYSTEM MANAGER OPERATING INSTRUCTIONS

The 1.0 SYSTEM MANAGER is on a 5¼" flexible diskette packaged with the disk drive. The 1.0 SYSTEM MANAGER lets the user format new disks, copy files, rename files, delete files, run a system file (such as BASIC) or display the directory of all files on a data pack or disk.

The instructions below tell how to load the 1.0 SYSTEM MANAGER.

1. Remove any diskette that may be in the disk drive. Pull the diskette out without bending it. If the red DRIVE-IN-USE light is on, do not touch the drive or diskette. Wait until the light is off, then open the door, and remove the diskette.
2. Make sure that the ADAM power-on switch (located on the back of the printer) is ON.
3. Make sure that the power switch on the front of the disk drive is ON.
4. Insert the diskette containing the 1.0 SYSTEM MANAGER program into the drive. Make sure the side with the label faces up and that the write-protect notch is on the left side as you insert the diskette.
5. Close the door latch.
6. Press the Computer Reset Switch on the ADAM Memory Console.
7. The DRIVE-IN-USE light should turn on as the program loads from the disk drive into ADAM's memory.
8. WARNING: DO NOT REMOVE THE DISKETTE during any operation that writes to or reads from the disk drive. Pressing WP/ESC during a disk operation when the drive is empty will cause the computer to malfunction.
9. When the program is finished loading, the directory screen for the SYSTEM MANAGER appears with the following smart keys to give the user the choice of possible functions:

- III. FORMAT a disk to be used with the ADAM operating system
- IV. RENAME a file on either a data pack or a diskette
- V. RUN a program on either a data pack or a diskette

VI. SELECT DRIVE Choose either the data pack or disk drive-- on which you wish to execute the commands

10. You can also copy or delete files by pressing the COPY or DELETE command keys (in the upper right hand corner of the ADAM keyboard).
11. The select drive operation displays the directory of the data pack or diskette in the drive selected. NOTE: If you change the diskette in the drive, you need to tell ADAM. You do this by again selecting the drive that the new diskette is in.
12. To quickly access the ADAM word processor, press the WP/ESC. in the upper left corner of the keyboard.
13. At any time you are working with the ADAM word processor, you can access the 1.0 SYSTEM MANAGER (as long as the diskette containing the program is in the disk drive) by pressing the Computer Reset switch on the ADAM Memory Console.
14. After you have pressed the Computer Reset switch, the 1.0 SYSTEM MANAGER reloads.

DISK DRIVE OPERATING INSTRUCTIONS

- 1) Make sure that there are no data packs in the data pack drives. Make sure that there are no disks in any of the drives.
- 2) Turn ADAM power on.
- 3) Turn on the power on switches on the front of the disk drive(s).
- 4) Insert the disk, label side up with the write protect notch on left side, into Disk Drive 1.
- 5) Pull Disk latch down to close door.
- 6) Press Computer Reset to load program off of disk.
- 7) The Disk-In-Operation LED (located on the front of the drive above the power-on LED) is a warning. When this light is on, the drive is in operation. The disk should not be removed nor should the door be opened.
- 8) The disk can be removed anytime this light is not on.
- () To reboot a program in the disk drive, press Computer Reset.

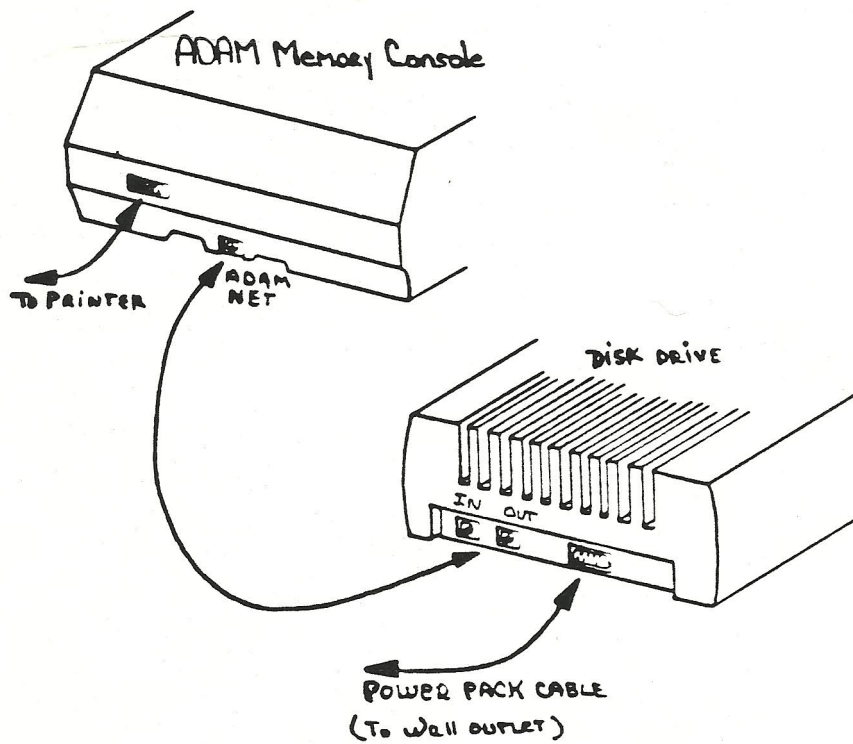
DISK DRIVE FEATURES SUMMARY

The Coleco disk drive gives the reliability of floppy disks to ADAM™. The disk drive has the following features:

5 $\frac{1}{4}$ " Read/Write Head	Allows the disk drive to read or write to the ADAM™ 5 $\frac{1}{4}$ " flexible diskette
Random Access	Allows the drive to access any file stored on the diskette
Write-Protect Sensor	Tells ADAM™ if a diskette is protected from having its files altered. Diskettes containing games, for example, would be write protected
Door Closed Indication	Lets the user close the drive door, telling ADAM™ that a diskette is in place
Disk In Operation LED	A red light that tells the user that the disk is being written to or read from
Power On LED	Tells the use that the disk drive power is on
Two ADAM NET connector jacks	Lets the user hook up two disk drives to the ADAM computer system

The Disk Drive is packaged with the following:

Power Pack	Inserts into the drive and plugs into wall and powers the drive
ADAM NET Connector Cord	Inserts into the Adam Module and connects to the disk drive
Disk Manager Software	Copies text files from digital data pack to disk. (Disk Manager comes on a 5 $\frac{1}{4}$ " disk.)



The above figure represents the hook up of the Disk Drive

The drive is connected to the ADAM NET Connector via the Connector Cord that plugs into one of the jacks on the back of the drive. (If a second drive is purchased, its Connector Cord plugs into the first drive and into the second drive.)

The drive is powered by a power transformer, connected to the drive via cable, that plugs into the power jack on the back of the drive and into a regular wall socket.

The disk itself has the following features:

5 $\frac{1}{4}$ " industry standard

Single Sided

Double Density

Soft-Sectored

40 tracks and 8 sectors

Effective Transfer rate is 3 Kbytes a second (or 24 Kbits a second)

Track to track access time is 20 msec. maximum

Holds 250 Kbytes unformatted, 160 Kbytes formatted

COMPETITIVE FEATURES

(A comparison with the Commodore 1541 Disk Drive
and the Atari 1050 Disk drive)

Effective Transfer
Rate

Atari 6000 bits per sec., Commodore 600
bits per sec. and the ADAM 24,000 bits per
sec.

Price
Green Sheet

Atari \$324.00, Commodore \$194.00 and ADAM
\$199.00

Diskette Capacity

Atari 127 Kbytes, Commodore 170 Kbytes, and
ADAM 160 Kbytes.