

PC2Flop and Flop2PC (for Mostek AID-80F)

PC2Flop writes a SSSD soft-sectored 8" floppy with a disk image transmitted from a PC. The image is transmitted through the console serial port using the XMODEM protocol. Flop2PC does the opposite and transmits an image of a SSSD soft-sectored 8" floppy to a PC.

These programs use the driver in PROM for disk I/O and do not require an operating system to function.

Since this is a soft sectored controller, PC2Flop requires the destination disk to have been formatted at some point. To allow PC2Flop to create a new disk for a "cold" machine, it offers a format disk option.

These programs run standalone at 0x100 or under CP/M. Any type of disk can be read or written (e.g., M/OS-80, FLP-80DOS) even if running under CP/M. Disk images are available on the deramp.com website where this file was found.

Standalone operation may be required to create a bootable disk when no other bootable disk is available. Follow these steps to load PC2FLOP.COM into a cold machine:

- 1) Enter the monitor by pressing the reset button with no floppy in the drive and then pressing RETURN. The monitor displays "DSK ERR" and give its dot prompt.
- 2) Using the M (memory) command, type in the program listed in LOADER.PRN at address zero.
- 3) Run the loader from address zero by typing E 0, then send PC2FLOP.COM using 8N1.
- 4) After file transfer is complete, reset the computer (still no disk inserted), press RETURN to enter the monitor, then run PC2FLOP from 100h by typing E 100.

When copying a disk image to the PC (Flop2PC), the program attempts several retries, including restoring the track both from zero and from past the current track. If the read still fails, the error is noted and the copy process continues so that the remainder of the disk can still be recovered.