

## Vector Graphic Micropolis Disk Images

The disk images and utilities in these directories are for the Micropolis 330K Floppy typically used in the Vector Graphic MZ series of computers. Two broad hardware configurations are represented: 48K and 56K.

### 48K Configuration (older style)

The 48K configuration runs with the monitor ROM 2.x at C000 and the floppy disk controller at D800. Both Lifeboat CP/M 1.411 and VG CP/M 1.42 (and probably MDOS in the 48K image directory) call the 2.x monitor ROM for console I/O. The I/O entry points are at different offsets for the 2.x versus the 4.x ROMs.

If not using MZOS, the disk controller may actually be at any address as long as the system is booted by jumping to the boot ROMs on the controller. For MZOS, the controller must be at D800 and the system is booted by jumping to C400, or by typing "E" at the monitor prompt. See the MZOS folder for more information.

### 56K Configuration (newer style)

The 56K configuration runs with the monitor ROM 4.x at E000 and the floppy disk controller at F800. Both Lifeboat and VG CP/M 2.x use the 4.x ROM for console I/O. I'd have to test again, but I believe Lifeboat CP/M 1.411 for the 56K configuration is patched to do I/O directly through a Bitstreamer serial port at 2/3 instead of calling the ROM (since it was originally configured for the 2.x ROM).

### Additional Notes

The 4.x monitor ROM, VG CP/M and MZOS require a Z80 processor. The 2.x monitor, Lifeboat CP/M, MDOS, and the FDC boot ROMs are 8080 compatible.

Some versions of CP/M support both the 2.x and 4.x ROMs for console I/O. Which ROM entry points to use are determined at run time. VG CP/M 2.1 and Lifeboat CP/M 2.2B both provide this feature. There may be others.