

Using MOVCPM and SYSGEN

MOVCPM is used to create an image of CP/M that will run in a system with a specified amount of RAM. The SYSGEN program is used to write that image to the boot sectors of a disk.

Parameters following the MOVCPM command vary between versions of MOVCPM written for different machines. For Altair (Burcon) CP/M 2.2, MOVCPM is used as follows:

```
A>MOVCPM           Create CP/M sized for the amount of RAM in this system
A>MOVCPM 48       Create CP/M sized for 48K of RAM
A>MOVCPM 56       Create CP/M sized for 56K of RAM
```

When MOVCPM completes, the CP/M image is in memory. The very next step **MUST** be to write the image to the boot sectors on a disk (run SYSGEN), or to save the image as a file to disk (use the SAVE command as detailed in messages from MOVCPM).

To write the image to the boot sectors of a disk, run the SYSGEN program. A typical SYSGEN session after executing MOVCPM is as follows:

```
A>SYSGEN
SYSGEN Ver 1.2
For MITS DISK CP/M

Source drive name (or RETURN to skip) - press return to use the CP/M image in memory
Destination drive name (or RETURN to reboot) - type drive letter, e.g., A (not echoed)
Destination on A, then type RETURN - press RETURN to write CP/M to the specified drive
Function Complete
Destination drive name (or RETURN to reboot) - if desired, write CP/M to another floppy or to a
different drive. If finished and a disk just
written is in drive A, reboot the computer from
the front panel instead of pressing return.
```

To write a CP/M image previously saved as a file to the boot sectors of a disk, use the debugger to load the saved file into memory, then run SYSGEN. For example, for a CP/M image saved as CPM48.COM, start DDT as shown below. Type G0 (letter "G" and digit zero) to exit DDT. The CP/M image is now in memory. Run SYSGEN as detailed above.

```
A>DDT CPM48.COM
DDT VERS 2.2
NEXT PC
2700 0100
-G0

A>SYSGEN
```