

This file describes the installation of CP/M 2 under ROM-MJS.

The CP/M disks available under CP/M 3 are as follows:

A: - RAM Disk
B: - Not Used
C: - System Disk
D: - Available to be mounted (8 MB hard disk)
E: - Available to be mounted (8 MB hard disk)
F: - Available to be mounted (8 MB hard disk)

Note: The RAM disk is not cleared at boot so you will may need to run
clmdir (CLRDIR A:) to prepare it for use.

Installation

Installation of CP/M 2 requires the following steps:

Step 1 - Install the CP/M 2 image to selected partition
Step 2 - Boot CP/M 2

Step 1 - Install CP/M 2 to selected partition

The Extended Debug Monitor program provides the usual monitor commands to
display memory, access I/O ports
and boot from specified devices. It also provides utility commands to
assist with installing a selected OS.

Note: This CP/M 2 implementation is partition aware and can be installed
onto any free partition except
partition 1 which is used for FAT.

To list the directory of the FAT partition, use the command:

> dir hsa0 (note the > symbol is the monitor's prompt character)

>dir hsa0

FAT16 volume mounted on 09
Partition 01 Type 06

Filename	Type	Size	First LBA
MPM2-IMG	BIN	00086800	0001988E
CPM2-IMG	BIN	0002A100	00019CC6
CPM3-IMG	BIN	00059800	00019E1E

>

The monitor supports the FAT filesystem with files stored in the root directory only.

To copy an OS image to a partition use the following command:

```
> image hsa0:(image.bin) hsa(n)
```

Where: hsa0 represents the name of the FAT partition (first FAT partition on the SD card)

hsa(n) represents the desired partition for the CP/M or MP/M installation hsa(2-4)

```
>image hsa0:cpm2-img.bin hsa2
Destination partition starts at LBA 0000003F
```

```
CPM2-IMG  BIN      0002A100      00019CC6
Filename found.
Caution, if you proceed with this operation,
the destination partition will be overwritten.
```

```
Please press Y to continue or any other key to abort.
Export: file size is :0002A100
Export: first cluster is :0000008A
Export: file starts at LBA 00019CC6
Image copy completed
```

```
>
```

Step 2 - Boot desired operating system

The Debug monitor allows you to boot from any partition of type=52 (CP/M) that has the appropriate bootloader installed.

The boot command has two formats.

b <device name> <partition> - Boot from the specified device and partition

b <enter> - Boot from default device and first "active" partition

In our case the SD card device name is DSA and the partition number would be the partition you installed the OS on (2, 3 or 4).

If you installed CP/M onto HSA3 you can use the following example:

```
>b hsa2
Booting CP/M 2.2
```

```
CP/M-80 Version 2.2C
For The N8VEM Series SBCs (HAL)
```

C>

Congratulations!

You have now installed and booted CP/M 2 for the Multicom Single Board computer.

Please read the ROM-MJS utility guide to familiarise yourself with the disk and partition manipulation utilities available.

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