

# Rainbow™ CP/M® -86/80

## Addendum

AV-Z260A-TV

September 1983

This addendum contains additional information for the *Rainbow CP/M-86/80 User's Guide* and the *Rainbow CP/M-86/80 Getting Started*. The addendum includes information that is new since the books were printed.

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## Rainbow CP/M-86/80 User's Guide Additions

### Corrections to "Starting the Operating System from the Hard Disk"

1. On page 208 of Chapter 6, item #4 instructs you to type:

```
A>SUBMIT SYSCOPY A: drv: 
```

The instruction should be to type:

```
A>SUBMIT SYSCOPY A drv 
```

2. On page 209, item #5 instructs you to "Supply the destination drive name. Type:"

```
drv: 
```

The instruction should be to type:

```
drv 
```

You *cannot* use colons in these command lines.

## Program Compatibility

The following table lists the applications available from Digital Equipment Corporation. Columns two and three indicate which programs are supported by the Winchester hard disk, and the amount of memory required to run them.

<b>Application</b>	<b>Winchester Hard Disk Support</b>	<b>Memory Required</b>
Autosort 86	Yes	256Kb
Condor I	No	256Kb
Condor III	No	256Kb
Daisy Aids	Yes	128Kb
Elec Blackboard	No	256Kb
Fabs 86	Yes	256Kb
TK! Solver 86	Yes	128Kb
IMS Mailing	Yes	128Kb
List Manager	Yes	128Kb
MBASIC-86	Yes	128Kb
MicroPlan-86	Yes	128Kb
Money I	No	128Kb
Money II	No	128Kb
Multiplan-86	Yes	128Kb
C Compiler	Yes	256Kb
SELECT-86	Yes	128Kb
poly-XFR *	Yes	128Kb
Target Model	Yes	128Kb

\* See separate addendum for this product

Application	Winchester Hard Disk Support	Memory Required
dBASE II	Yes	128Kb
RM Cobol	Yes	128Kb
Peachtext	Yes	128Kb
Spelling Proofreader	Yes	128Kb
CBASIC-86	Yes	128Kb
Pascal	Yes	256Kb

## Reading IBM Diskettes

In order to read files stored on IBM diskettes, you must have 8-sector or 9-sector single-sided IBM diskettes.

## Operating System Messages

The following messages are new since the *Rainbow CP/M-86/80 User's Guide* was printed.

### **ERROR IN PARTITION drv: Insufficient number of alternate sectors**

**Meaning.** This message can occur while running the hard disk utility program if there were not enough alternate sectors available to assign to the bad sectors within the partition.

**Action.** Press the Resume key to advance to other partitions; others are still usable.

## FATAL ERROR

### Couldn't read status data from the hard disk

**Meaning.** This message can occur while running the hard disk RECOVER program if the hard disk status data necessary to perform the recovery could not be read without errors.

**Action.** No action can be taken, and the recovery cannot be done. You must use the disk without running RECOVER, or re-initialize the disk using the utility diskette that came in the same box as the *Rainbow Winchester Disk Option Installation Guide*.

## FATAL ERROR

### Couldn't write status data onto the hard disk

**Meaning.** This message can occur while running the hard disk RECOVER program if the new status data with the recovery information could not be written onto the hard disk without errors.

**Action.** No action can be taken, and the recovery cannot be done. You must use the disk without running RECOVER, or re-initialize the disk using the utility diskette that came in the same box as the *Rainbow Winchester Disk Option Installation Guide*.

## FATAL ERROR

### Hard disk is not partitioned

**Meaning.** This message can occur while running the hard disk RECOVER program. The message indicates that either you have not run the utility program that automatically partitions the disk, or for some reason, the partitioning or re-partitioning process did not happen.

**Action.** Use the hard disk utility diskette to re-initialize the hard disk.

## **FATAL ERROR**

### **Insufficient memory for program data buffers**

**Meaning.** This message can occur while running the hard disk RECOVER program if the program did not have enough main memory to store the data needed for recovery.

**Action.** Check whether or not you have 128K bytes of memory. If you do, call the DIGITAL Help Line phone number listed in the back of the User's Guide; you should be able to run RECOVER. If you have less than 128K bytes of memory, you cannot run RECOVER.

## **FATAL ERROR**

### **Couldn't re-initialize the hard disk parameters**

**Meaning.** This message can occur while running the hard disk RECOVER program if the program failed to notify the operating system that the recovery was complete.

**Action.** Restart the operating system by pressing the Set-Up key followed by the Ctrl and Set-Up keys.

### **Drive drv: is not a valid hard disk drive name**

**Meaning.** This message can occur while running the hard disk RECOVER program if the drive name you specified with the RECOVER command is not within the range of valid hard disk drive names. The valid names are from E: through L:.

**Action.** Proceed to the Main Screen for a menu of valid, assigned hard disk drives.

## **Drive drv: is not available on the hard disk**

**Meaning.** This message can occur while running the hard disk RECOVER program if the drive name you specified with the RECOVER command is a valid har disk drive name ,but not one that you have.

**Action.** Proceed to the Main Screen for a menu of valid, assigned hard disk drives.

## **Insufficient memory available for .COM files**

**Meaning.** This message can occur while running a CP/M-80 application. When you run an application, you are adding bytes to the portion of the operating system that is always in memory (the built-in portion). This message occurs if that built-in portion of the operating system becomes too large: greater than 64K bytes of memory.

**Action.** Refer to the documentation associated with the application you are running.

## **Source and destination disks must be of the same type**

**Meaning.** This message can occur while running the LDCOPY or SUBMIT programs to copy operating system files from hard disk to a diskette.

**Action.** There is no action. This is an informative message to let you know that this procedure cannot be done.

**Cannot find file: HBOOT.LDX on source diskette**  
**Try LDCOPY drv:HBOOT.LDX if you want to copy a loader**  
**to the hard disk**

**Meaning.** This message can occur while running the LDCOPY or SUBMIT programs to copy operating system files from a diskette to the hard disk, and the file HBOOT.LDX cannot be found on the diskette.

**Action.** Follow the instructions in the message and try running the LDCOPY program from a drive containing a diskette that has the LDCOPY program and the HBOOT.LDX program on it.

# Rainbow CP/M-86/80 Getting Started Additions

## Leaving the LEARN RAINBOW Course

The screen below replaces the exit screen shown on page 54 of the *Rainbow CP/M-86/80 Getting Started*.

```

                Y o u   a r e   n o w   l e a v i n g
                L e a r n   R a i n b o w

To turn off the computer
-----
      |
      v
-----
| 1. Remove the diskettes from |
| Drive A and Drive B.        |
|                               |
| 2. Replace the diskettes in |
| their protective covers.    |
|                               |
| 3. Turn off the power by    |
| pressing the power switch   |
| to the "0" position.       |
|                               |
-----

To move on to another task
-----
      |
      v
-----
| 1. Remove the "Learn Rainbow" |
| diskettes from both drives |
| and store them safely.      |
|                               |
| 2. Reset the computer by    |
| pressing Set-Up, then      |
| Ctrl/Set-Up                 |
|                               |
| 3. From this point, proceed |
| as if you had just turned  |
| the computer on.           |
|                               |
-----
```