

Date & Time	Memory	Video & CPU
Date [11/14/1990] Time [12:49:13]	Base [640K] Extended [3072K] Total = 3712K	Video [VGA or EGA] CPU speed [Fast]
Hard Drives	Floppy Drives	Options
C: [SCSI] D: [None] SmartDrive installed[N]	A: [1.44M 3.5-inch] B: [720K 3.5-inch] Startup Floppy [A:] Controller [Enabled]	Serial port [Primary] Parallel port [1] Bidirectional [N] Mouse [Enabled]

<p><ESC>Exit to DOS without saving setup <F1> Help for option that cursor is on <F2> Save setup and exit</p>	<p><CTRL BRK> Reboot without saving <SPACE> Toggles options <ARROW> Moves to next option</p>
--	--

TYPE HEAD CYLINDER PRECOMP PARK SECTORS SIZE (Meg Bytes)

```
-----
SCSI
ESDI
None
 1  4  306  128  305  17  10
 2  4  615  300  615  17  20
 3  6  615  300  615  17  30
 4  8  940  512  940  17  62
 5  6  940  512  940  17  46
 6  4  615  None  615  17  20
 7  8  462  256  511  17  30
 8  5  733  None  733  17  30
 9 15  900  None  901  17 112
10  3  820  None  820  17  20
11  5  855  None  855  17  35
12  7  855  None  855  17  49
-----
```

```
-----
< [ ] > Next Line           < [ ] > Previous Line
<PgDn > Next Page         <PgUp > Previous Page
<ENTER> Update and Return to Main Screen
< ESC > Return to Main Screen Without Updating
< F1 > Help
-----
```

TYPE HEAD CYLINDER PRECOMP PARK SECTORS SIZE (Meg Bytes)

```
-----
13  8  306  128  319  17  20
14  7  733  None  733  17  42
15
16  4  612   0  663  17  20
17  5  977  300  977  17  40
18  7  977  None  977  17  56
19  7 1024  512 1023  17  59
20  5  733  300  732  17  30
21  7  733  300  732  17  42
-----
```

```

22      5      733      300      733      17      30
23      4      306           0      336      17      10
24
25      4      615           0      615      17      20
26      4      1024      None      1023      17      34
27      5      1024      None      1023      17      42
<   > Next Line                <   > Previous Line
<PgDn > Next Page                <PgUp > Previous Page
<ENTER> Update and Return to Main Screen
< ESC > Return to Main Screen Without Updating
< F1 > Help

```

```

TYPE  HEAD  CYLINDER  PRECOMP  PARK  SECTORS  SIZE(Meg Bytes)
-----

```

```

28    10    981      None    980    17      81
29     8    512      256    512    17      34
30
31
32
33
34
35     9    1023      None    1023    17      76
36    10    1024      1023    1023    17      85
37     5     989      128     989    17      41
38     5    1024      1024    1024    17      42
39     6     820      820     820    17      40
40     8    1024      1024    1024    17      68
41     6    306      153     306    17      15

```

Any (Non Standard Hard Disk)

```

-----
<   > Next Line                <   > Previous Line
<PgDn > Next Page                <PgUp > Previous Page
<ENTER> Update and Return to Main Screen
< ESC > Return to Main Screen Without Updating
< F1 > Help

```

Non Standard Hard Disk Drive

```

Heads           [  0]
Cylinders       [  0]
Precompensation
  Cylinder # or 'NONE' [  0]
Head Landing Zone [  0]
Sectors Per Track [  0]

```

Enter the above information from
your hard drive users manual.

```

< ESC > Return to Selection Screen
<ENTER> Complete One Entry

```

SETUP

Your computer contains a battery-powered, real-time CMOS RAM chip that stores information about the drives, memory, and video support installed in your system. Use the Setup utility to record your current system configuration into CMOS RAM.

The battery that powers the CMOS RAM also supplies power to the internal clock. The clock maintains current date and time information. If the system clock fails to keep accurate time, it might indicate that the CMOS RAM battery is weak. If you need to replace the battery, contact a Radio Shack Service Center or refer to "Replacing the Battery" in the "Installing Optional Hardware" section. You must run the Setup utility each time you:

- * Install or remove a video display adapter, an optional diskette drive or hard disk drive, or memory
- * Change the CPU clock speed
- * Enable or disable: A serial or parallel port, the IDE controller, the diskette drive controller, an IDE interface and/or port,
- * Replace the CMOS RAM battery
The computer stores the hardware configuration record in memory until the battery fails or you change the information with the Setup utility.

SETUP CONFIGURATION SCREEN

The Setup utility summarizes your system configuration, as it is currently recorded in CMOS RAM, on a graphic screen. If you run Setup after receiving a power-on configuration error message, this screen is displayed automatically when you insert the Utilities Diskette and press F1. This screen is also displayed when you run Setup from the Utilities Menu.

From the configuration screen, you can:

- * Enter the current date and time.
- * Specify the amount of base memory and extended memory currently installed in the computer.
- * Identify the type of video adapter in the computer.
- * Set the CPU clock speed.
- * Enable or disable the IDE controller.
- * Identify any hard disk drives installed in the computer. For non-standard drives, you can specify:
 - The number of heads
 - The number of cylinders
 - The number of the precompensation cylinder
 - The head landing zone, where the heads are parked
 - The number of sectors per track

NOTE: The computer supports up to 2 hard disk drives. Setup designates one drive as drive C, the other as drive D. Logical drives (partitions within a physical drive) are not recognized by Setup.

- * Identify any diskette drives in your computer and enable or disable the on-board diskette drive controller.
- * Enable or disable serial ports, including the mouse port.
- * Enable or disable a parallel port and identify a parallel port as bidirectional or unidirectional.

The keys listed on the screen enable you to move among the various sections on the screen and provide the following functions:

- * ESC - Ends Setup without saving the displayed configuration. Returns to the Utilities Menu (if you are using the Utilities Diskette) or the operating system prompt. If you changed any configuration settings, the changes will not be saved.
- * F1 - Displays help about the currently highlighted field.
- * F2 - records the currently displayed configuration into CMOS RAM and reboots the computer. Press F2 when you are finished updating the system configuration.
- * CTRL+BRK - Restarts the computer without saving the currently displayed configuration.
- * SPACE BAR - Displays the values that can be assigned to a Setup parameter. For hard drives, pressing the space bar displays a list of all predefined disk types. For the date and time, pressing the space bar clears the current entry. For all other fields, pressing the space bar changes the value displayed on the screen.
- * DIRECTION KEYS - Enable you to move to the section of the screen you want to update, and to move among fields within a section.

Note: Keep a current list of your configuration.

RUNNING SETUP AFTER POWER-ON SELF-TESTS

When you turn on the computer, it automatically runs a series of diagnostic power-on self-tests. If these tests reveal any differences between the actual system configuration and the recorded configuration, you will hear a warning signal (beep) and see a message that asks you to run Setup. If you receive a configuration error:

1. Run Setup to correct the information recorded in CMOS RAM.
2. Make a note of the errors listed on the Setup Warning Information screen.
3. Update and save the system configuration. The system will reset and put the new settings into effect.

NOTE: If, after you reset the computer, it still sounds a warning signal and prompts you to run Setup:

- * Make sure all system cords are plugged in solidly.
- * Make sure the expansion adapters are seated properly.

- * Make sure all jumpers and switches are set correctly.
- * Check to see that the hardware information in Setup is correct.
- * Make sure the CMOS RAM battery is properly connected.

RUNNING SETUP FROM THE UTILITIES MENU

To run Setup from the Utilities Menu:

1. Type 4 and press ENTER.
2. Make a note of any configuration errors listed.
3. Press any key to display the Setup configuration screen.
4. Update and save the configuration screen.

RUNNING SETUP FROM THE MS-DOS PROMPT

You can copy the Setup utility to your operating system diskette or your hard disk. This enables you to change hardware configuration information without first restarting the computer and inserting the Utilities Diskette.

Use the MS-DOS copy command to copy Setup from the Utilities Diskette to another diskette or to a hard disk. To run the Setup utility from the operating system diskette or hard disk, type the following command, at the operating system prompt (A> or C>):

```
SETUPL25
```

and press ENTER.