

HPMODE Command



HP Part No. 5959-9465
Printed in USA October, 1988

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HPMODE Command

What is the HPMODE Command?

The HPMODE command allows you to:

- set your computer to run at a different speed and display the current speed
- turn a modem on or off and display the current modem setting
- change the hard disc powerdown setting
- change the LCD backlight powerdown setting
- change the LCD palette and display the current palette number
- change the video scroll mode

The settings you make with the HPMODE command are **temporary**. When you restart your computer, any settings you made with the HPMODE command are lost. To make a setting permanent, use the SETUP program and change the default setting. You can change the following settings with the SETUP program:

- computer speed
- modem (on or off)
- hard disc powerdown setting
- LCD backlight powerdown setting

Refer to Appendix A in *Setting Up Your Vectra LS/12 Laptop PC* for instructions on using the SETUP program.

Installing the HPMODE Command

Follow these steps to copy the HPMODE command to the root directory of your hard disc.

1. Start your computer and display the MS-DOS prompt.
2. If the PAM (Personal Applications Manager) main menu appears, select **MS-DOS COMMANDS** (**move the arrow pointer** to the selection) and press **Enter**.
3. To make sure you are in the root directory of your C: drive, type

C:

and press **Enter**. Then type

CD \

and press **Enter**.

4. Insert the SETUP and Utilities Program disc in drive A:.
5. Type

COPY A:HPMODE.EXE

and press **Enter**.

6. Remove the SETUP and Utilities Program disc from drive A: and put it away.

How To Use HPMODE

You can type the HPMODE command at the MS-DOS prompt or include it in a batch file for batch execution. Use the following syntax for the HPMODE command:

```
[<d>:][<path>]HPMODE <option> [<setting>]
```

d: the drive that contains the HPMODE command.

path the path to the HPMODE command.

option the option.

setting the new setting.

The parameters enclosed in square brackets ([and]) are optional. The parameters enclosed in angle brackets (< and >) are variables.

When using the HPMODE command, it is only necessary to type the first three letters of the option and the setting. For example,

```
HPMODE SPE SLO
```

is identical to

```
HPMODE SPEED SLOW
```

Using HPMODE in a Batch File

Often, the best use of the HPMODE command is to put it in a batch file along with the command that runs an application that needs special settings.

For example, a batch file that

- sets the computer speed to slow
- turns the modem on
- starts a communication program
- turns the modem off
- resets the computer speed to fast

would include the following:

HPMODE SPEED SLOW

HPMODE MODEM ON

command to run communication program

HPMODE MODEM OFF

HPMODE SPEED FAST

Refer to the “Batch Processing” chapter in the *MS-DOS User’s Reference* for instructions on creating and executing batch files.

Help

Once you install HPMODE on your hard disc, a summary of syntax help is available. To display this syntax help, type the following at the MS-DOS prompt:

HPMODE

and press .

Setting Your Computer To Run at a Different Speed

The HPMODE command allows you to change the computer’s speed. You have a choice of three speeds: fast, smart, and slow.

The **fast speed** (12 MHz) is the normal speed. However, some applications may require a slower speed in order to run properly.

The **smart speed** slows the computer down to 6 MHz for flexible disc drive operations but allows the fast speed for other operations. Smart speed helps to conserve battery power. Also, use smart speed for copy-protected applications which require slow speed for disc access. If

an application does not run properly at the smart speed, it may require the slow speed.

The **slow speed** slows the computer down to 6 MHz for all operations. It also provides maximum power conservation during battery operation. It may be necessary to set your computer to operate at the slow speed if you are using an application that needs to run at a slower computer speed all the time, such as a communication program.

When changing the speed for a particular application, it may be best to put the HPMODE command in a batch file that slows the computer's speed, starts the application, and resets the computer's speed back to normal when you are finished using the application. Refer to the "Batch Processing" chapter in the *MS-DOS User's Reference* for instructions on creating and executing batch files.

Syntax Use the following command to change the computer speed:

```
[<d>:][<path>]HPMODE SPE[ed] [<setting>]
```

d:	the drive that contains the HPMODE command.
path	the path to the HPMODE command.
setting	the computer speed. Valid settings are the words SLO[w] , FAS[t] and SMA[rt] . If you do not specify a computer speed, the current speed is displayed.



Examples

To change the computer's speed from fast to slow, type the following at the MS-DOS prompt:

```
HPMODE SPEED SLOW
```

To reset the speed to fast, type:

```
HPMODE SPEED FAST
```

To display the current computer speed, type:

```
HPMODE SPEED
```

Changing Speeds Within an Application

Some applications (for example, Lotus 1-2-3) require the computer to be set to slow speed when the application is being started. Once the application is started, you can reset the computer to run at fast speed by holding down **Fn** and pressing **Fast**. If the application does not run properly at the fast speed, hold down **Fn** and press **Slow** to change the speed to slow. (There is no key combination for the smart speed.)

Turning a Modem On or Off

If you have a modem installed in your computer, you can turn it on and off with the HPMODE command. Turning the modem off when it is not in use conserves battery power.

For applications which require use of a modem, it may be best to place the HPMODE command in a batch file that turns the modem on, starts the application and turns the modem off when the application is ended. Refer to the "Batch Processing" chapter in the *MS-DOS User's Reference* for instructions on creating and executing batch files.

Syntax Use the following command to turn the modem on or off:

```
[<d>:][<path>]HPMODE MOD[em] [<setting>]
```

d: the drive that contains the HPMODE command.

path the path to the HPMODE command.

setting the modem setting. Valid settings are the words **ON** and **OFF**. If you do not specify a setting, the current modem setting is displayed.

Examples To turn the modem on, type the following at the MS-DOS prompt:

```
HPMODE MODEM ON
```

To turn the modem off, type:

```
HPMODE MODEM OFF
```

To display the modem setting, type:

```
HPMODE MODEM
```

Changing the Hard Disc Powerdown Setting

The HPMODE command allows you to change the number of seconds the hard disc will continue to spin after the last disc activity.

Setting the hard disc's powerdown to a smaller value helps to conserve your computer's battery power since it takes power to keep the hard disc spinning. When you set a smaller powerdown value, the hard disc will not spin long after it is accessed. On the other hand, the more your application accesses the hard disc, the larger the powerdown value should be. It takes more power to *start* the hard disc spinning than it takes to *keep* it spinning. Also, after your hard disc has powered down,

the computer must wait for it to return to operating speed the next time it is accessed. For these reasons, if your application accesses the hard disc frequently you do not want to set the powerdown value too low. Turning the hard disc off and on excessively may result in poor performance and reliability.

Set a hard disc powerdown that works best with your applications. You may need to experiment until you find a satisfactory value. The recommended minimum value is 30 seconds.

Syntax Use the following command to change the hard disc powerdown:

```
[<d>:][<path>]HPMODE DIS[c] <setting>
```

d:	the drive that contains the HPMODE command.
path	the path to the HPMODE command.
setting	the powerdown setting. Valid settings are 5–1270 in 5-second increments (values that are not multiples of 5 are rounded to the nearest multiple of 5, decimals are truncated) and NO (the hard disc spins continuously when the computer is on).

Note



You must type a hard disc powerdown setting when you use the DIS[c] option. Unlike other options, the current hard disc powerdown setting cannot be displayed.

Example

To change the hard disc powerdown setting to 60 seconds, type the following at the MS-DOS prompt:

```
HPMODE DISC 60
```

Changing the LCD Backlight Powerdown Setting

You can change the number of minutes the LCD backlight remains on after the keyboard was last used. You may not need the LCD backlight in areas of bright light or sunlight. Setting a low value can help to conserve battery power by turning off the backlight when the computer is not in use.

Note



When the LCD backlight turns off automatically, pressing any key *except* **Fn** turns it on again.

Syntax

Use the following command to change the LCD backlight powerdown setting:

```
[<d>:] [<path>]HPMODE LIG[ht] <setting>
```

d: the drive that contains the HPMODE command.

path the path to the HPMODE command.

setting the powerdown setting. Valid settings are **OFF** (shuts the LCD backlight off), **1-98** in 1-minute increments, and **ON** (keeps the LCD backlight on continuously).



Note



You must type an LCD backlight powerdown setting when you use the LIG[ht] option. Unlike other options, the current LCD backlight powerdown setting cannot be displayed.

Example

To change the LCD backlight powerdown setting to 4 minutes, type the following at the MS-DOS prompt:

```
HPMODE LIGHT 4
```

When the backlight turns off, pressing any key *except* **Fn** will turn the LCD backlight on again.

Changing the LCD Palette

The video system in your computer automatically displays shades of gray to represent colors. Although your computer can produce a gray scale on the screen, not all the shades of gray are dark enough to be readable. Eight LCD display palettes (gray scales) are available. This allows you to select a gray scale that is readable. Since color combinations vary from one application to another, a gray scale that works for one program may not work for another.

To see the LCD palettes, hold down **Fn** and repeatedly press **F8** to move forward through the eight palettes. Hold down **Fn** and repeatedly press **F9** to move backward. When you find the gray scale that works best for an application, type

HPMODE PALETTE

at the MS-DOS prompt. The palette number assigned to the current gray scale is displayed.

For applications which require a different display palette, it may be best to place the HPMODE command in a batch file that changes the palette value, starts the application, and resets the palette value when the application is ended. Refer to the "Batch Processing" chapter in the *MS-DOS User's Reference* for instructions on creating and executing batch files.

Syntax Use the following command to change the LCD palette:
[<d>:][<path>]HPMODE PAL[ette] [<setting>]

d: the drive that contains the HPMODE command.

path the path to the HPMODE command.

setting the LCD palette number. Valid palette numbers are 0–7. If you do not specify a palette number, the current LCD palette number is displayed.

Examples To change the LCD palette to 6, type the following at the MS-DOS prompt:

```
HPMODE PALETTE 6
```

To display the current LCD palette number, type:

```
HPMODE PALETTE
```

Changing the Video Scroll Mode

Scroll modes determine how information is moved on and off the screen. Two scroll modes are available: jump scroll mode and smooth scroll mode.

Jump scroll mode is commonly used by PC-compatible software and it works in all video modes. Information is displayed on the screen as it is received—appearing to “jump” on and off the screen. Your computer is preset to jump scroll mode.

Smooth scroll mode generates a more readable display and provides a much smoother appearance. However, this mode works **only** with an external CRT attached to your computer’s Monitor port and with video mode 6. (Refer to Appendix C in *Setting Up Your Vectra LS/12 Laptop PC* for more information about video modes.)

Syntax Use the following command to change the video scroll mode:

```
[<d>:][<path>]HPMODE SCR[oll] [<setting>]
```

d: the drive that contains the HPMODE command.

path the path to the HPMODE command.

setting the video scroll mode value. Valid settings are the words **JUM[p]** and **SMO[oth]**.

Note



You must type a video scroll mode when you use the SCR[oll] option. Unlike other options, the current video scroll mode cannot be displayed.

Examples

To change the video scroll mode from jump scroll mode to smooth scroll mode, type the following at the MS-DOS prompt:

```
HPMODE SCROLL SMOOTH
```

To change the video scroll mode back to jump scroll mode, type:

```
HPMODE SCROLL JUMP
```


HPMODE Messages

The following messages may be displayed when using the HPMODE command.

MESSAGE: FOR HPMODE, USE THE FOLLOWING
COMMAND SYNTAX:

```
[<drive>:] [<path>] HPMODE [option]  
[<setting>]
```

where the option and setting must be
one of the following:

SPEED - change processing speed;
settings = FAST, SLOW, or SMART

DISC - powerdown the hard disc
motor; settings = NO or a number
between 5 and 1270

LIGHT - powerdown the LCD backlight;
settings = OFF, ON, or a number
between 1 and 98

PALETTE - change palette number;
settings = a number between 0 and 7

MODEM - turn modem on or off;
settings = ON or OFF

SCROLL - change scroll mode;
settings = JUMP or SMOOTH



Cause: You asked for syntax help by typing the
HPMODE command with no option or
setting.

MESSAGE: HARD DISC POWERDOWN SETTING CANNOT
BE DETERMINED

Cause: You did not type a hard disc powerdown
setting with the DISC option. Unlike
other options, the current hard disc
powerdown setting cannot be displayed.

MESSAGE: INVALID DISC SETTING

For the DISC option, valid settings are NO or a number between 5 and 1270. NO keeps the hard disc spinning continuously. A number between 5 and 1270 is the number of seconds the hard disc continues to spin after the last disc activity. The number must be a multiple of 5. A number which is not a multiple of 5 is rounded to the nearest multiple of 5. Decimals are truncated.

Cause: You did not type NO or a number between 5 and 1270 for the hard disc powerdown setting.

MESSAGE: INVALID LIGHT SETTING

For the LIGHT option, valid settings are:

OFF = shuts the LCD backlight off
1 - 98 = the number of minutes the LCD backlight remains on after the keyboard was last used
ON = keeps the LCD backlight on continuously

Cause: You did not type OFF, ON, or a number between 1 and 98 for the LCD backlight powerdown setting.

MESSAGE: INVALID MODEM SETTING

For the MODEM option, valid settings are ON or OFF.

Cause: You did not type ON or OFF for the modem setting.

MESSAGE: INVALID OPTION. Valid options are:
SPEED - change computer processing speed
DISC - powerdown the hard disc motor
LIGHT - powerdown the LCD backlight
PALETTE - change palette number
MODEM - turn modem on or off
SCROLL - change scroll mode

Cause: You typed an option that is not valid.

MESSAGE: INVALID PALETTE SETTING
For the PALETTE option, valid palette numbers are 0 through 7.

Cause: You did not type a number between 0 and 7 for the palette number.

MESSAGE: INVALID SCROLL SETTING
For the SCROLL option, valid video scroll modes are:
JUMP - jump scroll mode
SMOOTH - smooth scroll mode

Cause: You did not type JUMP or SMOOTH for the video scroll mode.

MESSAGE: INVALID SPEED SETTING
For the SPEED option, valid settings are FAST, SLOW, or SMART.

Cause: You did not type FAST, SLOW, or SMART for the speed setting.

MESSAGE: LCD BACKLIGHT POWERDOWN SETTING
CANNOT BE DETERMINED

Cause: You did not type an LCD backlight
powerdown setting with the LIGHT
option. Unlike other options, the current
LCD backlight powerdown setting
cannot be displayed.

MESSAGE: THE SCROLL MODE CANNOT BE DETERMINED

Cause: You did not type a video scroll mode
setting with the SCROLL option. Unlike
other options, the current video scroll
mode cannot be displayed.

HPMODE Quick Reference

Table 1-1.

HPMODE Option	Valid Settings
SPE[ed]	SLO[w] FAS[t] SMA[rt]
MOD[em]	ON OFF
DIS[c]	5-1270, in 5-second increments NO (spins continuously)
LIG[ht]	OFF 1-98, in 1-minute increments ON (stays on continuously)
PAL[ette]	0 through 7
SCR[oll]	JUM[p] SMO[oth]