

Setup

The notebook has a BIOS (Basic Input/Output System) setup utility that allows you to configure the notebook and its hardware settings. The notebook is already correctly configured for you and you do not need to run the BIOS Utility. If you make any changes to the notebook or you receive an Equipment Configuration Error message after you turn on the notebook, you need to run the BIOS Utility. Run the BIOS Utility also if you want to do any of the following:

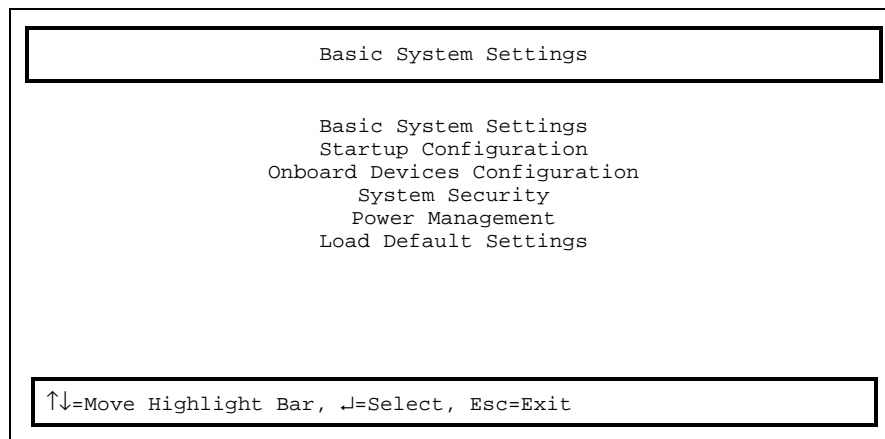
- Change the system date or time
- Set the power-saving modes and timers
- Set, change, or remove a system password
- Change the system boot drive or display device
- Add or remove serial and parallel devices
- Set the video display features



The system configuration values reside in the battery-powered CMOS RAM.

6.1 Entering the BIOS Utility

Press **F2** during POST to enter the BIOS Utility. The BIOS Utility main screen displays.



Read through the BIOS Utility Screen Notes before navigating the BIOS Utility screens.

BIOS Utility Notes

- From the main menu, press **↑**, **↓**, **←** or **→** to move from one menu item to another and press **Enter** to enter the selected menu.
- When accessing multi-page sections, press **PgDn** and **PgUp** to go through the pages.
- Parameters displayed in low brightness (grayed-out) are not user-configurable. The notebook detects and sets the values for these parameters.
- Press **↑** or **↓** to move from one parameter to another. Press **←** or **→** to change parameter settings. You have to change some settings when you add a component to the notebook.

- Most of the parameters are self-explanatory. Press **F1** for help on individual parameters.
- When you press Esc to exit the BIOS Utility, the following prompt appears:

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Settings have been changed.
Do you want to save CMOS settings?

      [Yes]              [No]

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Select [Yes] to save the changes you made to the configuration values or [No] to abandon the changes and retain the current values.

6.1.1 Basic System Settings

Terms	Description	Settings
Date	Displays date in Mmm DD YYYY format	Mmm DD YYYY
Time	Displays time in HH:MM:SS format	HH:MM:SS
Floppy Disk Drive	Internal Floppy Disk Drive configuration	<ul style="list-style-type: none"> • NONE • 1.44 MB 3.5-inch*
Hard Disk Drive	If set to <code>Auto</code> , the BIOS automatically determines your hard disk drive type. You can also manually key in your drive's parameters by setting this parameter to <code>User</code> .	<ul style="list-style-type: none"> • Auto * • User

* Default setting

6.1.2 Startup Configuration

Terms	Description	Settings*
Boot Display	If set to <code>Auto</code> and an external display is present, the notebook uses the external display; otherwise, the LCD is the display device. If set to <code>Both</code> , the notebook uses the external display and LCD simultaneously.	<ul style="list-style-type: none">• <code>Auto</code>*• <code>Both</code>
Memory Test	The notebook can test main memory for errors when you turn it on. If <code>Enabled</code> allows the notebook to bypass the memory test and speed up the self-test procedure.	<ul style="list-style-type: none">• <code>Enabled</code>• <code>Disabled</code>*
Silent Boot	The notebook does not display POST messages on your display.	<ul style="list-style-type: none">• <code>Enabled</code>• <code>Disabled</code>*
System Boot Drive	This parameter determines which drive the notebook boots from when you turn it on.	<ul style="list-style-type: none">• <code>Drive A Then C</code>*• <code>Drive A</code>• <code>Drive C</code>• <code>Drive C Then A</code>



If notebook resolution is set at 640x480, the image on the notebook and external monitor will not be full-screen. For full-screen image, set-up notebook at 800x600 resolution.



An installed PC Card bootable card overrides the System Boot Drive setting. The notebook supports SRAM card boot.

* Default Setting

6.1.3 Onboard Devices Configuration

Terms	Description	Settings
Serial Port Base Address	The serial port can accommodate a modem, serial mouse, serial printer, or other serial devices.	<ul style="list-style-type: none">• 3F8h*• 2F8h• 3E8h• 2E8h
Parallel Port Base Address	The parallel port can accommodate a parallel printer or other parallel devices.	<ul style="list-style-type: none">• 378h*• 278h• 3BCh
Parallel Port Operation Mode	ECP or Extended Capabilities Port supports a 16-byte FIFO (first in, first out) which can be accessed by host DMA cycles and PIO cycles. ECP boosts I/O bandwidth to meet the demands of high-performance peripherals.	<ul style="list-style-type: none">• Standard• Bi-directional• ECP*
ECP DMA Channel	Set the ECP DMA Channel parameter if you set the Parallel Port Operation Mode to [Enhanced Capabilities Port (ECP)].	<ul style="list-style-type: none">• 3*• 1



Make sure the serial port base address does not conflict with the address used by a PC Card, if one is installed.

* Default Setting

6.1.4 System Security

Terms	Description	Settings
Diskette Drive Control	This parameter allows you to enable or disable the read/write functions of the floppy drive.	<ul style="list-style-type: none">• Normal*• Write Protect All Sectors• Write Protect Boot Sectors• Disabled
Hard Disk Drive Control	This parameter allows you to enable or disable the read/write functions of the hard disk drive.	<ul style="list-style-type: none">• Normal*• Write Protect All Sectors• Write Protect Boot Sectors• Disabled

Passwords

Two passwords are implemented in this notebook. The Setup Password prevents unauthorized access to the BIOS Utility, while the Power On Password prevents unauthorized access to the notebook during boot-up and resume from hibernation.

Setting a Password

To set a password, select the desired password (Setup and Power-On) to set or edit, and press ← or →. The password prompt (a key) appears:

○ □

A message below the menu prompts you to enter a password. The password may consist of up to seven characters which do not appear on the screen when you type them. After typing your password, press Enter. Another prompt appears asking you to retype your password to verify your first entry.

* Default Setting

After setting a password, the notebook sets this parameter to [Enabled]. The next time you boot the notebook, resume from hibernation mode or run the BIOS Utility, the password prompt appears. Key in the appropriate password (Power On or Setup). If the password you entered is incorrect, an "X" appears. You have three chances to type in the correct password. After three tries, the following message appears:

Incorrect password specified. System disabled.

The notebook freezes up and disables all devices. You must turn off the notebook and turn it on again to retry. If you forget your password, you must reset the configuration values stored in CMOS to defaults. Resetting CMOS requires opening up the notebook, so contact your dealer for assistance.

Removing a Password

To remove a password, select the desired password (Setup and Power On) to remove and press ← or → to set it to [None].

6.1.5 Power Management Settings

Besides accessing this screen from POST (F2), you can also press the **Setup Button** during runtime (system operation) to access this section of the BIOS Utility. Refer to section 2.3 for the location of the Setup Button.

Terms	Description	Settings
Power Management Mode	With enabled, all the power management timers take effect unless specifically disabled by the user. Select [Disabled] to turn off all the timers.	<ul style="list-style-type: none">• Enabled*• Disabled
Display Standby Timer	The notebook shuts off the LCD backlight and turns off the CRT video as well, if there is no activity from the keyboard or external PS/2 mouse within the period specified by this timer. To turn the display back on, press a key or move the	1 minute(s) (Valid range: 1 to 15 minutes)

* Default Setting

	mouse.	
Terms	Description	Settings
Hard Disk Standby Timer	The hard disk drive enters standby mode if there are no disk read/write operations within the period specified by this timer. The hard disk returns to normal mode once the notebook accesses it.	1 minute(s) (Valid range: 1 to 15 minutes)
System Sleep Timer	This parameter enables you to set a timeout period for the notebook to enter either standby or hibernation mode. The System Sleep Mode parameter determines which sleep mode the notebook will enter into.	3 minute(s) (Valid range: 1 to 15 minutes)
System Sleep State	This parameter tells the notebook which sleep mode (Standby or Hibernation) to enter into when the System Sleep Timer times out.	<ul style="list-style-type: none"> • Standby* • Hibernation
System Resume Timer Mode	When enabled, the notebook resumes from standby mode at the specified Resume Date and Resume Time parameter settings. When the notebook is in hibernation mode, it cannot resume when this parameter is enabled.	<ul style="list-style-type: none"> • Enabled • Disabled*
System Resume Date and Time	The Resume Date and Resume Time parameters let you set the date and time for the resume operation. The date and time fields take the same format as the System Date and Time parameters in the Basic System Settings screen.	Mmm DD YYYY HH:MM:SS
Modem Ring Resume On Indicator	When enabled, the notebook wakes up from standby mode and returns to normal mode when a PC Card modem detects a ringing tone. When the notebook is in hibernation mode, it cannot resume from a modem ring.	<ul style="list-style-type: none"> • Enabled • Disabled*
Battery-low Warning Beep	This parameter allows you to enable or disable the warning beep generated by the notebook when a battery-low condition occurs.	<ul style="list-style-type: none"> • Enabled • Disabled*
Sleep Upon	This parameter enables the notebook to enter standby or hibernation mode when a battery-low	<ul style="list-style-type: none"> • Enabled

* Default Setting

Battery-low	condition takes place.	• Disabled*
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You cannot disable the Power management Mode parameter in BIOS Utility if APM is installed under DOS, Windows or Windows 95. To disable APM, type `Power Off` under DOS, or disable the Power icon in the Windows Control Panel.

6.1.6 Load Default Settings

Selecting this option allows you to load all the default settings. The default settings are the values initially stored in CMOS RAM intended to provide high performance. If in the future, you change these settings, you can load the default settings again by selecting this option.

When you select this option, the following prompt appears:

<p>Load Setup Default Settings?</p> <p>[Yes] [No]</p>
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Select [Yes] to load the default settings or [No] to abort the operation.