

Chapter 3: Setup

About the Setup Utility

This chapter explains how to use and modify the BIOS setup utility that is stored on the mainboard. The setup utility stores data about the mainboard components and the configuration of devices that are connected to it. This information is used to test and initialize components at start-up time and to make sure everything runs properly when the system is operating.

The setup utility is installed with a set of default values. You will probably have to make changes to the setup utility whenever you add new components to your system such as new disk drives. You may be able to generate increased performance by changing some of the timing values in the setup, but this can be limited by the kind of hardware you are using, for example the rating of your memory chips. In certain circumstances, the system may generate an error message that asks you to make changes to the setup utility. This happens when the system finds an error during the POST (Power On Self Test) that it carries out at start up.

Starting the Setup Utility

You can only start the setup utility shortly after the computer has been turned on. A prompt appears on the computer display which says “*Press DEL to run Setup*”. When you see this prompt, press the **Delete** key, and the system will start the setup utility and display the main menu of the utility.

Using the Setup Utility

When you start setup, the main menu appears. The main menu of the setup utility shows a list of the options that are available. A highlight shows which option is currently selected. You can use the cursor arrow keys to move the highlight to other options. When an option is highlighted, you can execute the option by pressing the **Enter** key.

Some options lead to dialog boxes which ask you verify that that you wish to execute that option. You usually answer these dialogs by typing **Y** for yes and **N** for no. Some options lead to dialog boxes which ask for more information. Setting passwords have this kind of dialog box.

ROM PCI/ISA BIOS (P6SE-ML)
CMOS SETUP UTILITY
AWARD SOFTWARE, INC.

STANDARD CMOS SETUP	INTEGRATED PERIPHERALS
BIOS & CPU FEATURES SETUP	PASSWORD SETTING
CHIPSET FEATURES SETUP	IDE HDD AUTO DETECTION
POWER MANAGEMENT SETUP	SAVE & EXIT SETUP
PNP/PCI CONFIGURATION	EXIT WITHOUT SAVING
LOAD BIOS DEFAULTS	
LOAD SETUP DEFAULTS	
Esc : Quit	↑ ↓ → ← : Select Item
F10 : Save & Exit Setup	(Shift)F2 : Change Color

Some options lead to tables of items that usually have a value on the right side. The value of the first item is highlighted, and you can use the cursor arrow keys to select any of the other values in the table of items. When an item is highlighted, you can change the value by pressing the **PageUp** or **PageDown** keys, or the **Plus** or **Minus** keys. The **PageUp** and **Plus** keys cycle forward through the available values, the **PageDown** and **Minus** keys cycle backwards through the values.

When you are in the main menu, you can exit the utility by pressing the **Escape** key. You can save the current selections and exit the utility by pressing the **F10** key. You can change the color scheme of the utility by pressing the **F2** key while holding down the **Shift** key. When you are in one of the options that displays a dialog box, you can return to the main menu by pressing the **Escape** key.

When you are in an option that displays a table of items, you can return to the main menu by pressing the **Escape** key. For some items, you can display a help message by pressing the **F1** key. You can change the color scheme of the utility by pressing the **F2** key while holding down the **Shift** key. Press **F5** to discard any changes you have made and return all items to the value that they held when the setup utility was started. Press **F6** to load the displayed items with a standard list of default values. Press **F7** to load the displayed items with a high-performance list of default values.

Standard CMOS Setup Option

This option displays a table of items which defines basic information about your system.

ROM PCI/ISA BIOS (P6SE-ML)
STANDARD CMOS SETUP
AWARD SOFTWARE, INC.

Date (mm:dd:yy) : Wed, Mar 24 1999									
Time (hh:mm:ss) : 12 : 33 : 8									
HARD DISKS		TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE
Primary Master		:	0	0	0	0	0	0	0 NORMAL
Primary Slave		:	0	0	0	0	0	0	0 NORMAL
Secondary Master		:	0	0	0	0	0	0	0 NORMAL
Secondary Slave		:	0	0	0	0	0	0	0 NORMAL
Drive A : 1.44M, 3.5 in.									
Drive B : None									
Floppy 3 Mode Support : Disabled									
Video : EGA/UGA									
Halt On : All Errors									
ESC : Quit		↑ ↓ → ← : Select Item				PU/PD/+/- : Modify			
F1 : Help		(Shift)F2 : Change Color							

Date and Time

The Date and Time items show the current date and time held by your computer. If you are running a Windows OS, these items are automatically updated whenever you make changes to the Windows Date and Time Properties utility.

Hard Disks

Defaults: None

These items show the characteristics of hard disk drives on the two available IDE channels. (Note that SCSI hard disk drives do not appear here.) You can automatically install most hard disks using the IDE HDD Auto Detect Option from the main menu. If you find that a drive cannot be automatically detected, you can use these items to select USER, then manually enter the characteristics of the drive. The documentation provided with your drive provides the data you need to fill in the values for CYLS (cylinders), HEAD (read/write heads), and so on.

The drive documentation drive may not tell you what value to use under the MODE heading. If the drive is smaller than 528 MB, set MODE to Normal. If the drive is larger than 528 MB and it supports Logical Block Addressing, set MODE to LBA. Very few high-capacity drives do not support Logical Block Addressing. If you have such a drive, you might be able to configure it by setting the MODE to Large. If you're not sure which MODE setting is required by your drive, set MODE to Auto and let the setup utility try to determine the mode automatically.

Drive A and Drive B

Default: 1.44M, 3.5 in., None

These items define the characteristics of any diskette drive attached to the system. You can connect one or two diskette drives.

Floppy 3 Mode Support**Default: Disabled**

Floppy 3 mode refers to a 3.5" diskette with a capacity of 1.2 MB. Floppy 3 mode is sometimes used in Japan.

Video**Default: EGA/VGA**

This item defines the video mode of the system. This mainboard has a built-in VGA graphics system so you must leave this item at the default value.

Halt On**Default: All Errors**

This item defines the operation of the system POST (Power On Self Test) routine. You can use this item to select which kind of errors in the POST are sufficient to halt the system.

BIOS & CPU Features Setup Option

This option displays a table of items which defines more advanced information about your system. You can make modifications to most of these items without introducing fatal errors to your system.

ROM PCI/ISA BIOS (P6SE-ML)
BIOS & CPU FEATURES SETUP
AWARD SOFTWARE, INC.

CPU Internal Core Speed : 350MHz	Report No FDD For WIN 95 : Yes
CPU Host Bus Frequency : 100 MHz	Video BIOS Shadow : Enabled
CPU Core:Bus Freq.Multiple : 3.5x	C8000-CBFFF Shadow : Disabled
	CC000-CFFFF Shadow : Disabled
Anti-Virus Protection : Enabled	D0000-D3FFF Shadow : Disabled
CPU Internal Cache : Enabled	D4000-D7FFF Shadow : Disabled
External Cache : Enabled	D8000-DBFFF Shadow : Disabled
	DC000-DFFFF Shadow : Disabled
Quick Power On Self Test : Enabled	
Boot From LAN First : Disabled	
Boot Sequence : A,C,SCSI	
Swap Floppy Drive : Disabled	
Boot Up Floppy Seek : Enabled	
Boot Up NumLock Status : On	
Typematic Rate Setting : Disabled	
Typematic Rate (Chars/Sec) : 6	ESC : Quit ↑↓←→ : Select Item
Typematic Delay (Msec) : 250	F1 : Help PU/PD/+/- : Modify
Security Option : Setup	F5 : Old Values (Shift)F2 : Color
PCI/UGA Palette Snoop : Disabled	F6 : Load BIOS Defaults
OS Select For DRAM > 64MB : Non-OS2	F7 : Load Setup Defaults

CPU Internal Core Speed**Default: 350 MHz**

Use this item to automatically set up the mainboard for the kind of processor that you have installed. Set this item to the rated internal clock speed of the installed processor. If you set this to Manual, two new items appear: *CPU Host Bus Frequency* and *CPU Frequency*.

CPU Host Bus Frequency
CPU Core: Bus Freq. Multiple

These items appear if you have set the *CPU Internal Core Speed* to Manual. Use the *CPU Host Bus Frequency* to set the system bus frequency for the installed processor (usually 100 MHz or 66 MHz). Then use *CPU Frequency* to set a multiple. The multiple times the system bus must equal the core speed of the installed processor e.g. **3.5 (multiple) x 100 MHz (system bus) = 350 MHz (installed processor clock speed)**.

Anti-Virus Protection **Default: Enabled**

When this item is enabled it provides some protection against viruses which try to write to the boot sector and partition table of your hard disk drive. This item is Enabled as a default. You might need to disable it so that you can install an operating system. We recommend that you enable Anti-Virus Protection as soon as you have installed your disk with an OS.

CPU Internal Cache **Default: Enabled**

All the processors that can be installed in this mainboard use internal (level 1) cache memory to improve performance. Leave this item at the default value Enabled for better performance.

External Cache **Default: Enabled**

Most processors that can be installed in this system use external (L2) cache memory to improve performance. The exceptions are older SEPP Celeron CPUs running at 266 or 300 MHz. Enable this item for all but these two processors.

Quick Power On Self Test **Default: Enabled**

You can enable this item to shorten the power on testing and have your system start up a little faster. You might like to enable this item after you are confident that your system hardware is operating smoothly.

Boot From LAN First **Default: Disabled**

Enable this item if you want your computer to remote boot an operating system from a network server.

Boot Sequence **Default: A,C,SCSI**

This item defines where the system will look for an operating system, and the order of priority. You can boot an OS from many locations including a SCSI or ZIP drive, a floppy diskette drive or an LS-120 high-capacity diskette drive.

Swap Floppy Drive **Default: Disabled**

If you have two floppy diskette drives in your system, this item allows you to swap around the assigned drive letters so that drive A becomes drive B, and drive B becomes drive A.

Boot Up Floppy Seek **Default: Enabled**

If you enable this item, the system checks the tracks on the floppy drives at start up. If you are not using an old 5.25" diskette drive with 360K capacity, you can disable this item.

Boot Up NumLock Status**Default: On**

This item defines if the keyboard Num Lock key is active when your system is started.

Typematic Rate Setting**Default: Disabled**

If this item is enabled, you can use the following two items to set the typematic rate and the typematic delay settings for your keyboard.

Typematic Rate (Chars/Sec)**Default: 6**

If the item Typematic Rate Setting is enabled, you can use this item to define how many characters per second are generated by a held-down key.

Typematic Delay (Msec)**Default: 250**

If the item Typematic Rate Setting is enabled, you can use this item to define how many milliseconds must elapse before a held-down key begins generating repeat characters.

Security Option**Default: Setup**

If you have installed password protection, this item defines if the password is required at system start up, or if it is only required when a user tries to enter the setup utility.

PCI/VGA Palette Snoop**Default: Disabled**

This item is designed to overcome some problems that can be caused by some non-standard VGA cards. This board includes a built-in VGA system that does not require palette snooping so you must leave this item disabled.

OS Select For DRAM > 64 MB**Default: Non-OS2**

This item is only required if you have installed more than 64 MB of memory and you are running the OS/2 operating system. Otherwise, leave this item at the default Non-OS2.

Report No FDD for WIN 95**Default: Yes**

If you are running a system with no floppy drive and using the Windows 95 OS, select Yes for this item to ensure compatibility with the Windows 95 logo certification.

Video BIOS Shadow**Default: Enabled**

This item allows the video BIOS to be copied to system memory for faster performance.

XXXXX-XXXXX Shadow**Default: Disabled**

These items allow the BIOS of other devices to be copied to system memory for faster performance.

Chipset Features Option

This option displays a table of items that define critical timing parameters of the mainboard components including the CPU, the memory, and the system logic. Generally, you should leave the items on this page at their default values unless you are very familiar with the technical specifications of your system hardware. If you change the values incorrectly you may introduce fatal errors or recurring instability into your system.

ROM PCI/ISA BIOS (P6SE-ML)
CHIPSET FEATURES SETUP
AWARD SOFTWARE, INC.

Auto Configuration : Enabled	Host2PCI Cycle Time Con : Delay 1
ISA Bus Clock Frequency : PCICLK/4	Host2Mem Cycle Time Con : 9T
Starting Point of Paging: 8T	
SDRAM CAS Latency : 3T	
SDRAM WR Retire Rate : X-2-2-2	
RAMW# Assertion Timing : 3T	
CPU to PCI Post Write : Enabled	
CPU to PCI Burst Mem. WR: Disabled	
System BIOS Cacheable : Enabled	
Video BIOS Cacheable : Enabled	
Memory Hole at 15M-16M : Disabled	
AGP Aperture Size : 64MB	
Concurrent function(MEM): Enabled	
Concurrent function(PCI): Enabled	
CPU Pipeline Control : Enabled	
PCI Delay Transaction : Enabled	ESC : Quit ↑↓←→ : Select Item
UGA DRAM 1T R/W Control : Disabled	F1 : Help PU/PD/+/- : Modify
SDRCLK : 0.0 ns	F5 : Old Values (Shift)F2 : Color
SDWCLK : 0.0 ns	F6 : Load BIOS Defaults
Refresh Queue Depth : 12	F7 : Load Setup Defaults

Auto Configuration

Default: Enabled

If this field is enabled, the system will automatically configure the system based on the hardware detected.

ISA Bus Clock Frequency

Default: PCICLK/4

This item sets the speed of the ISA bus by dividing the speed of the PCI bus.

Starting Point of Paging

Default: 8T

This item controls the start timing of memory paging operations.

SDRAM CAS Latency

Default: 3T

SDRAM WR Retire Rate

Default: X-2-2-2

These items install timing parameters for the installed SDRAM memory. We recommend that you leave these items at the default values.

RAMW# Assertion Timing

Default: 3T

This item determines the timing for local memory writes. We recommend that you leave this item at the default value.

CPU to PCI Post Write	Default: Enabled
If this item is enabled, writes to PCI IDE devices are buffered for better performance.	
CPU to PCI Burst Mem. WR	Default: Disabled
If this item is enabled, the system can assemble long writes for burst mode writes from the data held in buffers.	
System BIOS Cacheable	Default: Enabled
Video BIOS Cacheable	Default: Enabled
These items allow the video and/or system to be cached in memory for faster execution. We recommend that you leave these items at the default value.	
Memory Hole at 15M-16M	Default: Disabled
This item can be used to reserve memory space for some ISA expansion cards that require it.	
AGP Aperture Size	Default: 64MB
This item defines an aperture size for an AGP graphics adapter. It defines the section of the PCI memory address space reserved for graphics.	
Concurrent Function (Mem)	Default: Enabled
This item allows concurrent operation for the system memory. We recommend that you leave this item at the default value.	
Concurrent Function (PCI)	Default: Enabled
This item allows concurrent operation for the system PCI bus. We recommend that you leave this item at the default value.	
CPU Pipeline Control	Default: Enabled
This item allows CPU pipelining. We recommend that you leave this item at the default value.	
PCI Peer Concurrency	Default: Enabled
When this item is enabled, more than one device on the PCI bus can be active at the same time.	
PCI Delay Transaction	Default: Enabled
This item can be enabled if the system has an embedded 32-bit write buffer to support delay transaction cycles. Leave this item at the default value.	
VGA DRAM 1T R/W Control	Default: Disabled
This item controls the timing for the video memory.. We recommend that you leave this item at the default value.	
SDRCLK	Default: 0.0 ns
SDWCLK	Default: 0.0 ns
These items control system timing. We recommend that you leave these items at the default values.	
Refresh Queue Depth	Default: 12
This item controls system timing. We recommend that you leave this item at the default value.	

Host2PCI Cycle Time	Default: Delay 1
Host2Mem Cycle Time	Default: 9T

These items control system timing. We recommend that you leave these items at the default values.

Power Management Setup Option

This option displays items which let you control the system power management. Modern operating systems take care of much of the power management. This mainboard supports ACPI (advanced configuration and power interface). This system supports three power-saving modes; doze mode, standby mode, and suspend mode. Standby mode uses less power than doze mode and suspend mode uses the least power.

Power Management Timeouts

The power-saving modes can be controlled by timeouts. If the system is inactive for a time, the timeouts begin counting. If the inactivity continues so that the timeout period elapses, the system enters a power-saving mode. If any item in the list of *PM Events* is Enabled, then any activity on that item will restart the timeout counters.

Wake Up Calls

If the system is suspended, or has been powered down by software, it can be resumed by a wake up call that is generated by incoming traffic to a modem or LAN card, or a fixed alarm on the system realtime clock.

ROM PCI/ISA BIOS (P6SE-ML)
POWER MANAGEMENT SETUP
AWARD SOFTWARE, INC.

Power Management : User Define	IRQ 8 Break Suspend : Disabled
PM Control by APM : Yes	Power Button Over Ride : Susp/Resume
Video Off Option : Susp,Stby -> Off	Ring/LAN Power Up : Disabled
Video Off Method : DPMS Supported	Resume from LAN Control : Disabled
Switch Function : Break/Wake	KB Power ON Function : Power Key
Doze Speed (div by): 2/8	Power Up by Alarm : Disabled
Stdby Speed(div by): 1/8	
MODEM Use IRQ : 3	
Ctrl-Alt-Backspace : Power Off	
** PM Timers **	
HDD Off After : Disable	
Doze Mode : Disable	
Standby Mode : Disable	
Suspend Mode : Disable	
** PM Events **	
HDD Ports Activity : Enabled	ESC : Quit ↑↓→← : Select Item
COM Ports Activity : Enabled	F1 : Help PU/PD/+/- : Modify
LPT Ports Activity : Enabled	F5 : Old Values (Shift)F2 : Color
UGA Activity : Enabled	F6 : Load BIOS Defaults
IRQ 13-7,9-151,NMI : Enabled	F7 : Load Setup Defaults

Power Management**Default: User Define**

This item acts like a master switch for the power-saving modes and hard disk timeouts. If this item is set to Max Saving, doze, standby, and suspend mode, will occur after a timeout of 10 seconds. If this item is set to Min Saving, doze, standby, and suspend mode will occur after a timeout of 4 hours. If the item is set to User Define, you can insert your own timeouts for the power-saving modes.

PM Control by APM**Default: Yes**

Windows 95 and 98 have built-in power management capabilities called APM (Advanced Power Management). When you enable this item, you allow the APM routines in Windows to operate on your system.

Video Off Option**Default: Susp, Stby -> Off**

This option defines which level of power-saving mode is required in order to power down the video display. As a default, the video powers down both in suspend mode and standby mode.

Video Off Method**Default: DPMS Supported**

This item defines how the video is powered down to save power. As a default, this is set to DPMS (display power management software).

Switch Function**Default: Break/Wake**

If this item is enabled, it permits the use of a suspend switch (connected to PANEL1 – See Chapter 2). If the item is set to Break, the suspend switch puts the system in suspend mode. If the item is set to Break/Wake, you can press the suspend switch a second time to wake up the system. If the item is set to Disabled, the suspend switch does not function.

Doze Speed (div by)**Default: 2/8**

This item determines the processor clock speed when the system is in the power-saving doze mode. It is expressed as a fraction (2/8) of normal full speed.

Standby Speed (div by)**Default: 1/8**

This item determines the processor clock speed when the system is in the power-saving standby mode. It is expressed as a fraction (1/8) of normal full speed.

Modem Use IRQ**Default: 3**

If you would like an incoming call on a fax/modem to automatically resume the system from suspend mode, use this item to specify the interrupt request line (IRQ) that is used by the modem.

Ctrl-Alt-Backspace**Default: Power Off**

This item defines the operation of the keyboard hot keys (CTRL+ALT+BACKSPACE). You can disable the hot keys, make the hot keys cause a suspend mode, or make the hot keys cause a power off.

HDD Off After**Default: Disabled**

If you have selected User Define for the Power Management item, you can set this item to a selection of timeouts from 1 to 15 minutes. The hard disk drive will power down if the selected timeout passes without any activity on the hard disk.

Doze Mode**Default: Disabled**

If you have selected User Define for the Power Management item, you can set this item to a selection of timeouts from 10 seconds to 4 hours. The system will go into the power-saving doze mode if the selected timeout passes without any system activity.

Standby Mode**Default: Disabled**

If you have selected User Define for the Power Management item, you can set this item to a selection of timeouts from 10 seconds to 4 hours. The system will go into the power-saving standby mode if the selected timeout passes without any system activity.

Suspend Mode**Default: Disabled**

If you have selected User Define for the Power Management item, you can set this item to a selection of timeouts from 10 seconds to 4 hours. The system will go into the power-saving suspend mode if the selected timeout passes without any system activity.

HDD Ports Activity**Default: Enabled**

When this item is Enabled, any activity on the hard disk drive will automatically reset the timeout counters for the power-saving modes, or resume the system from a power-saving mode.

COM Ports Activity**Default: Enabled**

When this item is Enabled, any activity through the serial ports (COM1/3, COM2/4, or an Infrared Port) will automatically reset the timeout counters for the power-saving modes, or resume the system from a power-saving mode.

LPT Ports Activity**Default: Enabled**

When this item is Enabled, any activity through the parallel port (LPT1) will automatically reset the timeout counters for the power-saving modes, or resume the system from a power-saving mode.

VGA Activity**Default: Enabled**

When this item is Enabled, any activity on the graphics sub-system will automatically reset the timeout counters for the power-saving modes, or resume the system from a power-saving mode.

IRQ[3-7, 9-15],NMI**Default: Enabled**

When this item is Enabled, if any activity is detected on the system interrupts (IRQs) and the non-masked interrupt (NMI), the system will automatically reset the timeout counters for the power-saving modes, or resume the system from a power-saving mode.

IRQ 8 Break Suspend**Default: Disabled**

When this item is enabled, any activity through the system interrupt request line 8 can reset power-saving mode timeouts to zero, or resume the system from a power saving mode. IRQ 8 is normally used by the system realtime clock.

Power Button Over Ride**Default: Susp/Resume**

This item lets you define if the system power button causes a power off or a power saving suspend mode.

Ring/LAN Power Up **Default: Disabled**

If this item is enabled, it allows the system to resume from a software powerdown whenever there is incoming traffic to an installed network adapter or a fax/modem.

Resume from LAN Control **Default: Disabled**

If this item is enabled, the system can be resumed through network control.

KB Power ON Function **Default: Power Key**

This item lets you select hot keys or a password as the method of using the keyboard power on feature.

Power Up By Alarm **Default: Disabled**

If you enable this item, you can use the alarm items which appear to install your system with a time and date for an alarm that resumes the system from a power-saving mode.

PNP/PCI Configuration Option

This option displays a table of items that configures how PNP (Plug and Play) and PCI expansion cards operate in your system.

ROM PCI/ISA BIOS (P6SE-ML)
PNP/PCI CONFIGURATION
AWARD SOFTWARE, INC.

PNP OS Installed : Yes	OnBoard Audio Use IRQ No: 10
Resources Controlled By : Auto	Onboard PCI Audio : Enabled
Reset Configuration Data : Disabled	Onboard PCI LAN : Enabled
	Onboard PCI Modem : Enabled
	Assign IRQ For VGA : Disabled
	ESC : Quit ↑↓→← : Select Item
	F1 : Help PU/PD/+/- : Modify
	F5 : Old Values (Shift)F2 : Color
	F6 : Load BIOS Defaults
	F7 : Load Setup Defaults

PNP OS Installed **Default: Yes**

If you install a Plug and Play operating system such as Windows 95 or 98, you can set this item to Yes. When set to Yes you can use the Device Manager utility in the OS to make changes to the configuration of expansion cards.

Resources Controlled By**Default: Auto**

You should leave this item at the default Auto. If you cannot get an expansion card to work properly, you might be able to solve the problem by changing this item to Manual, and defining the characteristics of the card in the new items which appear. If you change this item to Manual, the display will list a series of items that allow you to define the assignments of the system interrupt lines (IRQs) and Direct Memory Access (DMA) channels. As a default, these items are set to PCI/ISA PnP. If you install an ISA-bus card that does not support PNP, and it requires a special IRQ and DMA, you can modify the list of assignments. Change the values of the IRQ and DMA that are required to Legacy ISA.

Reset Configuration Data**Default: Disabled**

If you enable this item and restart the system, any PNP configuration data stored in the BIOS setup is cleared from memory. New updated data is created.

Onboard Audio Use IRQ No**Default: 10**

Use this item to assign an IRQ to the onboard audio system

Onboard PCI Audio**Default: Enabled**

Use this item to enable or disable the onboard PCI audio system.

Onboard PCI LAN**Default: Enabled**

Use this item to enable or disable the onboard PCI LAN system.

Onboard PCI Modem**Default: Enabled**

Use this item to enable or disable the optional onboard PCI modem system.

Assign IRQ for VGA**Default: Enabled**

If this item is enabled, an IRQ will be assigned to the PCI VGA graphics system.

Load BIOS Defaults Option

This option opens dialog box that lets you install BIOS defaults for all appropriate items in the whole setup utility. Press the **Y** key and then **Enter** to install the defaults. Press the **N** key and then **Enter** to not install the defaults. The BIOS defaults place no great demands on the system and are generally stable. If your system is not functioning correctly, try installing the BIOS defaults as a first step in getting your system working properly again. If you only want to install BIOS defaults for a specific option, select and display that option, and then press the **F6** key.

Load Setup Defaults Option

This option opens dialog box that lets you install optimum defaults for all appropriate items in the whole setup utility. Press the **Y** key and then **Enter** to install the defaults. Press the **N** key and then **Enter** to not install the defaults. The setup defaults place demands on the system that may

be greater than the performance level of the components, such as the CPU and the memory. You can cause fatal errors or instability if you install the setup defaults when your hardware does not support them. If you only want to install setup defaults for a specific option, select and display that option, and then press the **F7** key.

Integrated Peripherals Option

This option displays a list of items which defines the operation of some peripheral items on the system's input/output ports.

ROM PCI/ISA BIOS (P6SE-ML) INTEGRATED PERIPHERALS AWARD SOFTWARE, INC.			
Internal PCI/IDE	: Both	ECP Mode Use DMA	: 3
IDE Primary Master PIO	: Auto	PS/2 mouse function	: Enabled
IDE Primary Slave PIO	: Auto	USB Controller	: Enabled
IDE Secondary Master PIO	: Auto	USB Keyboard Support	: Disabled
IDE Secondary Slave PIO	: Auto	Init Display First	: PCI Slot
Primary Master UltraDMA	: Auto	UGA Shared Memory Size	: 8 MB
Primary Slave UltraDMA	: Auto	USB Keyboard Support	: Disabled
Secondary Master UltraDMA	: Auto	Current CPU Temp.	:
Secondary Slave UltraDMA	: Auto	Current System Temp.	:
IDE Burst Mode	: Enabled	Current CPUFAN1 Speed	:
IDE HDD Block Mode	: Enabled	Current CPUFAN2 Speed	:
Onboard FDC Controller	: Enabled	IN0(V):	IN1(V):
Onboard Serial Port 1	: 3F8/IRQ4	IN2(V):	
Onboard Serial Port 2	: Disabled		
IR Address Select	: Disabled		
Onboard Parallel Port 1	: 378/IRQ7	ESC : Quit	↑↓→← : Select Item
Parallel Port Mode	: ECP+EPP	F1 : Help	PU/PD/+/- : Modify
		F5 : Old Values (Shift)	F2 : Color
		F6 : Load BIOS Defaults	
		F7 : Load Setup Defaults	

Internal PCI/IDE

Default: Both

This item lets you enable or disable the two PCI IDE channels (primary and secondary) that are integrated on this motherboard. As a default, both channels are enabled.

IDE Primary Master PIO

Default: Auto

IDE Primary Slave PIO

Default: Auto

IDE Secondary Master PIO

Default: Auto

IDE Secondary Slave PIO

Default: Auto

Each IDE channel supports a master device and a slave device. These four items let you assign which kind of PIO (Programmed Input/Output) is used by IDE devices. You can choose Auto, to let the system auto detect which PIO mode is best, or you can install a PIO mode from 0-4.

IDE Primary Master UltraDMA	Default: Auto
IDE Primary Slave UltraDMA	Default: Auto
IDE Secondary Master UltraDMA	Default: Auto
IDE Secondary Slave UltraDMA	Default: Auto

Each IDE channel supports a master device and a slave device. This motherboard supports UltraDMA. UltraDMA technology provides faster access to IDE devices. If you install a device which supports UltraDMA, change the appropriate item on this list to Auto. You may have to install the UltraDMA driver supplied with this motherboard in order to use an UltraDMA device.

IDE Burst Mode	Default: Enabled
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Burst mode transfers can improve the access to IDE devices. Enable this item if your IDE devices support burst mode transfers.

IDE HDD Block Mode	Default: Enabled
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Block mode transfers can improve the access to IDE devices. Enable this item if your IDE devices support block mode transfers.

Onboard FDC Controller	Default: Enabled
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Use this item to turn on or off the floppy disk controller that is built into this mainboard.

Onboard Serial Port 1	Default: 3F8/IRQ4
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This item lets you disable the built-in serial port 1, or enable it by assigning an I/O address and an Interrupt Request Line (IRQ).

IR Address Select	Default: Disabled
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Use this item to assign an address to the IR port if you have installed this optional item.

Onboard Parallel Port 1	Default: 378/IRQ7
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This item lets you disable the built-in parallel port, or enable it by assigning an I/O address and an Interrupt Request Line (IRQ).

Parallel Port Mode	Default: ECP+EPP
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This item defines the operation of the parallel port. It can be set to SPP (standard parallel port). If you are connected to a parallel device that supports the higher-performance EPP (enhanced parallel port) or the ECP (extended capabilities port) make the appropriate changes to this item.

ECP Mode Use DMA	Default: 3
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If you are using the parallel port as an ECP (extended capabilities port), use this item to assign a DMA channel to the port.

PS/2 mouse function	Default: Enabled
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Use this item to enable or disable the built-in PS/2 mouse port. If you are using a serial port mouse, you can conserve system resources by disabling the PS/2 mouse port.

USB Controller**Default: Enabled**

Use this item to enable or disable the built-in Universal Serial Bus ports. If you are not using any USB devices, you can conserve system resources by disabling the USB ports.

USB Keyboard Support**Default: Disabled**

Enable this item if you plan on using a keyboard which operates through the USB poart.

Init Display First**Default: PCI Slot**

Use this item to define if your graphics adapter is installed in one of the PCI slots.

VGA Shared Memory Size**Default: 8 MB**

Use this item to set the amount of memory that can be used by the onboard VGA system. We recommend that you leave this at the default value 8 MB.

Current CPU Temp., Current System Temp., etc.

If you are using the hardware monitoring features of this system, you can use these items to set thermal and electrical parameters for the system.

Password Settings

This item can be used to install a password. To install a password, follow these steps:

1. Highlight the item Password Settings on the main menu and press **Enter**.
2. The password dialog box appears.
3. If you are installing a new password, carefully type in the password. You cannot use more than 8 characters or numbers. The password will differentiate between upper case and lower characters. Press **Enter** after you have typed in the password. If you are deleting a password that is already installed just press **Enter** when the password dialog box appears.
4. The system will ask you to confirm the new password by asking you to type it in a second time. Carefully type the password again and press **Enter**, or just press **Enter** if you are deleting a password that is already installed.
5. If you typed the password correctly, the password will be installed.

IDE HDD Auto Detection Option

This item automatically detects and installs any hard disk drives installed on the primary and secondary IDE channel. Most modern drives can be

detected. If you are using a very old drive that can't be detected, you can install it manually using the Standard CMOS Setup option.

Setup will check for two devices on the primary IDE channel and then two devices on the secondary IDE channel. At each device, the system will flash an N in the dialog box. Press **Enter** to skip the device and proceed to the next device. Press **Y**, then **Enter** to tell the system to auto-detect the device.

Save And Exit Setup Option

Highlight this item and press **Enter** to save the changes that you have made in the setup utility and exit the setup program. When the Save and Exit dialog box appears, press **Y** to save and exit, or press **N** to return to the setup main menu.

Exit Without Saving Option

Highlight this item and press **Enter** to discard any changes that you have made in the setup utility and exit the setup program. When the Exit Without Saving dialog box appears, press **Y** to discard changes and exit, or press **N** to return to the setup main menu.