

Award BIOS Setup

The mainboard comes with the Award BIOS chip that contains the ROM Setup information of your system. This chip serves as an interface between the processor and the rest of the mainboard's components. This chapter explains the information contained in the Setup program and tells you how to modify the settings according to your system configuration.

CMOS Setup Utility

ROM PCI/ISA BIOS (2A59GF09) CMOS SETUP UTILITY AWARD SOFTWARE, INC.	
STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURATION LOAD BIOS DEFAULTS LOAD SETUP DEFAULTS	INTEGRATED PERIPHERALS SUPERVISOR PASSWORD USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP EXIT WITHOUT SAVING
ESC : Quit F10 : Save & Exit Setup	↑ ↓ → ← : Select Item (Shift) F2 : Change Color
Time, Date, Hard Disk Type...	

A Setup program, built into the system BIOS, is stored in the CMOS RAM. This Setup utility program allows changes to the mainboard configuration settings. It is executed when the user changes system configuration; user changes system backup battery; or the system detects a configuration error and asks the user to run the Setup program. Use the arrow keys to select and press Enter to run the selected program.

Standard CMOS Setup

ROM PCI/ISA BIOS (2A59GF09) STANDARD CMOS SETUP AWARD SOFTWARE, INC.								
Date (mm:dd:yy) : Mon, Jan 24 1994 Time (hh:mm:ss) : 15 : 38 : 55								
HARD DISKS	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE
Primary Master	: User	541	1409	16	65535	14(8	63	Normal
Primary Slave	: None	0	0	0	0	((----
Secondary Master	: None	0	0	0	0	((----
Secondary Slave	: None	0	0	0	0	((----
Drive A : 1.44M, 3.5 in. Drive B : 1.2M, 5.25 in.						Base Memory: 640K Extended Memory: 7168K Other Memory: 384K		
Video : EGA/VGA Halt On : All Errors						Total Memory: 8192K		
ESC : Quit F1 : Help			↑ ↓ → ← : Select Item (Shift)F2 : Change Color			PU/PD/+/- : Modify		

The Standard CMOS Setup screen is displayed above. Each item may have one or more option settings. The system BIOS automatically detects memory size, thus no changes are necessary. Use the arrow keys to highlight the item and then use the PgUp or PgDn keys to select the value you want in each item.

Hard Disk Configurations

TYPE:

Select from 1 to 45 to fill remaining fields with predefined values of disk drives. Select User to fill the remaining fields. Select Auto to detect the HDD type automatically.

SIZE:

The hard disk size. The unit is Mega Bytes.

CYLS:

The cylinder number of the hard disk.

HEAD:

The read/write head number of hard disk. The range is from 1 to 16.

PRECOMP:

The cylinder number at which the disk drive changes the write timing.

LANDZ:

The cylinder number that the disk drive heads (read/write) are seated when the disk drive is parked.

SECTOR:

The sector number of each track defined on the hard disk.

MODE:

Select Auto to detect the mode type automatically. If your hard disk supports the LBA mode, select LBA or Large. However, if your hard disk cylinder is more than 1024 and does not support the LBA function, you have to set at Large.

Select Normal if your hard disk supporting cylinders is below 1024.

Software Turbo Speed

The BIOS supports Software Turbo Speed feature. Instead of pressing the Turbo Speed Button on the front panel, simply press the **Alt, Ctrl, and +** keys at the same time to enable the Turbo Speed feature; and press the **Alt, Ctrl, and -** keys at the same time to disable the feature.

BIOS Features Setup

ROM PCI/ISA BIOS (2A5L9F09) BIOS FEATURES SETUP AWARD SOFTWARE, INC.		
Virus Warning	: Disabled	Video BIOS Shadow : Enabled
CPU Internal Cache	: Enabled	C8000-CBFFF Shadow : Disabled
External Cache	: Enabled	CC000-CFFFF Shadow : Disabled
Quick Power On Self Test	: Disabled	D0000-D3FFF Shadow : Disabled
Boot Sequence	: A, C	D4000-D7FFF Shadow : Disabled
Swap Floppy Drive	: Disabled	D8000-DBFFF Shadow : Disabled
Boot Up Floppy Seek	: Enabled	DC000-DFFFF Shadow : Disabled
Boot Up NumLock Status	: On	
Boot Up System Speed	: High	
Gate A20G Option	: Fast	
TypeMatic Rate Setting	: Disabled	
TypeMatic Rate (Chars/Sec)	: 6	
TypeMatic Delay (Msec)	: 250	
Security Option	: Setup	
PS/2 mouse function control	: Enabled	
OS Select For DRAM > 64MB : Non-OS2		
		ESC : Quit ↑ ↓ → ← : Select Item
		F1 : Help PU/PD,+/- : Modify
		F5 : Old Values (Shift) F2 : Color
		F6 : Load BIOS Defaults
		F7 : Load Setup Defaults

Virus Warning

When enabled, assigns the BIOS to monitor the master boot sector and the DOS boot sector of the first hard disk drive.

The options are: Enabled, Disabled (Default).

CPU Internal Cache

When enabled, improves the system performance. Disable this item when testing or trouble-shooting.

The options are: Enabled (Default), Disabled.

External Cache

When enabled, supports an optional cache SRAM.

The options are: Enabled (Default), Disabled.

Quick Power On Self Test

When enabled, allows the BIOS to bypass the extensive memory test.

The options are: Enabled, Disabled (Default).

Boot Sequence

Allows the system BIOS to first try to boot the operating system from the selected disk drive.

The options are: A, C (Default); C, A; C, CDROM, A; CDROM, C, A.

Swap Floppy Drive

Allows you to switch the order in which the operating system accesses the floppy drives during boot up.

The options are: Enabled, Disabled (Default).

Boot Up Floppy Seek

When enabled, assigns the BIOS to perform floppy diskette drive tests by issuing the time-consuming seek commands.

The options are: Enabled (Default), Disabled.

Boot Up Numlock Status

When set to On, allows the BIOS to automatically enable the Num Lock Function when the system boots up.

The options are: On (Default), Off.

Boot Up System Speed

Allows you to adjust the system speed when the system boots up.

The options are: High (Default), Low.

Gate A20 Option

When set at Fast, allows a faster access response under Protected mode.

The options are: Fast (Default), Normal.

Typematic Rate Setting

The term typematic means that when a keyboard key is held down, the character is repeatedly entered until the key is released. When this item is enabled, you may change the typematic repeat rate.

The options are: Disabled (Default), Enabled.

Typematic Rate (Chars/Sec)

Sets the rate of a character repeat when the key is held down.

The options are: 6 (Default), 8, 10, 12, 15, 20, 24, 30.

Typematic Delay (Msec)

Sets the delay time before a character is repeated.

The options are: 250 (Default), 500, 750, 1000 millisecond.

Security Option

Allows you to set the security level of the system.

The options are: Setup (Default), System.

PS/2 Mouse Function Control

When enabled, allows you to release IRQ12 for using the PS/2 mouse.
The options are: Enabled, Disabled (Default).

OS Select For DRAM 64MB

If your operating system (OS) is OS2, MS Windows NT, or MS Windows 95, select the option OS2. Otherwise, stay with the default setting Non-OS2.
The options are: Non-OS2 (Default), OS2.

Video BIOS Shadow

Allows the BIOS to copy the video ROM code of the add-on video card to the system memory for faster access.
The options are: Enabled (Default), Disabled.

C8000-CBFFF to DC000-DFFFF Shadow

Allows the BIOS to copy the BIOS ROM code of the add-on card to system memory for faster access. It may improve the performance of the add-on card.

Some add-on cards will not function properly if its BIOS ROM code is shadowed. To use these options correctly, you need to know the memory address range used by the BIOS ROM of each add-on card.

The options are: Enabled, Disabled (Default).

Chipset Features Setup

ROM PCI/ISA BIOS (2A59GF09) CHIPSET FEATURES SETUP AWARD SOFTWARE, INC.		
Auto Configuration	: Enabled	Delayed PCI Transaction : Disabled
DRAM Timing	: 60 ns	
Fast RAS To CAS Delay	: 3	
DRAM Read Burst (EDO/FP)	: x222/x333	
DRAM Write Burst Timing	: x222	
Fast MA to RAS# Delay CLK	: 2	
Fast EDO Path Select	: Enabled	
Refresh RAS# Assertion	: 5 Clks	
SDRAM (CAS Lat/RAS-to-CAS)	: 3/3/5/8	
System BIOS Cacheable	: Disabled	
Video BIOS Cacheable	: Enabled	
8 Bit I/O Recovery Time	: 1	
16 Bit I/O Recovery Time	: 1	
Memory Hole At 15M-16M	: Disabled	
Peer Concurrency	: Enabled	
		ESC : Quit ↑ ↓ → ← : Select Item F1 : Help PU/PD/+/- : Modify F5 : Old Values (Shift) F2 : Color F6 : Load BIOS Defaults F7 : Load Setup Defaults

Auto Configuration

When set at Enabled, it allows you to configure the features that from the third one, Fast RAS To CAS Delay, to the eighth one, Refresh RAS# Assertion.

The options are: Enabled (Default), Disabled.

DRAM Timing

Allows you to select the speed of data access to EDO DRAM.

The options are: 60 ns (Default), 70 ns.

Fast RAS To CAS Delay

Allows you to define the delay time that from DRAM RAS# active to CAS# active.

The options are: 3, 2. Unit: Clock T.

DRAM Read Burst (EDO/FP)

Allows you to define DRAM read burst timing.

The options are: x222/x333, x332/x333, x444/x444, x333/x444.

DRAM Write Burst Timing

Allows you to define DRAM write burst timing.

The options are: X-3-3-3, X-2-2-2, X-4-4-4.

Fast MA to RAS# Delay CLK

Allows you to select the clock of the memory address (MA) to RAS# delay. This feature is for technician use. The options are: 1, 2.

Fast EDO Path Select

When enabled, it allows you to select a fast path for CPU to DRAM read cycles for the leadoff. This is valid for EDO DRAMs only. The options are: Disabled, Enabled.

Refresh RAS# Aassertion

This feature allows you to control the number of clocks RAS# is asserted for Refresh cycles. The options are: 4 Clks, 5 Clks.

SDRAM (CAS Lat/RAS-to-CAS)

If you install a DIMM, this feature allows you to select the ratio of CAS Latency to RAS-to-CAS. The default setting is slowest. The 2|3/4/7 is fastest. The second one is 2|3/5/8, then is 3|3/4/7. The options are: 3|3/5/8 (Default), 3|3/4/7, 2|3/5/8, 2|3/4/7.

System BIOS Cacheable

When enabled, allows the ROM area F000H-FFFFH to be cacheable when cache controller is activated. The options are: Disabled (Default), Enabled.

Video BIOS Cacheable

When enabled, allows the system to use the video BIOS codes from SRAMs, instead of the slower DRAMs or ROMs. The options are: Enabled (Default), Disabled.

8 Bit I/O Recovery Time

Allows you to set the 8-bit ISA I/O recovery time. The options are: 1 (Default), 2, 3, 4, 5, 6, 7, NA, 8. Unit: Bus clock.

16 Bit I/O Recovery Time

Allows you to set the 16-bit ISA I/O recovery time. The options are: 1 (Default), 2, 3, 4. Unit: Bus clock.

Memory Hole At 15M-16M

When enabled, the memory hole at the 15MB address will be relocated to the 15~16MB address range of the ISA cycle when the processor accesses the 15~16MB address area.

When disabled, the memory hole at the 15MB address will be treated as a DRAM cycle when the processor accesses the 15~16MB address area.

The options are: Enabled, Disabled (Default).

Peer Concurrency

Enable this item to allow the processor to continue its operation while another PCI Bus is active.

The options are: Enabled (Default), Disabled.

Delay PCI Transaction

Enable this item to allow the PIIX3 chip to abort the current PCI master cycle and to accept the new PCI master request; after it services the new PCI master request, it reaccepts the original PCI master and returns the PCI data phase to the original PCI master. This should enhance the system performance.

The options are: Enabled, Disabled (Default).

Power Management Setup

ROM PCI/ISA BIOS (2A59GF09) POWER MANAGEMENT SETUP AWARD SOFTWARE, INC.		
Power Management	: Disable	** Power Down & Resume Events ** IRQ3 (COM 2) : ON IRQ4 (COM 1) : ON IRQ5 (LPT 2) : OFF IRQ6 (Floppy Disk) : OFF IRQ7 (LPT 1) : OFF IRQ8 (RTC Alarm) : OFF IRQ9 (IRQ2 Redir) : OFF IRQ10 (Reserved) : OFF IRQ11 (Reserved) : OFF IRQ12 (PS/2 Mouse) : ON IRQ13 (Coprocessor) : OFF IRQ14 (Hard Disk) : ON IRQ15 (Reserved) : OFF
PM Control by APM	: Yes	
Video Off Method	: DPMS	
MODEM Use IRQ	: NA	
Doze Mode	: Disable	
Standby Mode	: Disable	
Suspend Mode	: Disable	
HDD Power Down	: Disable	
** Wake Up Events In Doze & Standby **		
IRQ3 (Wake-Up Event)	: ON	
IRQ4 (Wake-Up Event)	: ON	
IRQ8 (Wake-Up Event)	: OFF	
IRQ12 (Wake-Up Event)	: ON	
ESC : Quit ↑ ↓ → ← : Select Item		
F1 : Help PU/PD +/- : Modify		
F5 : Old Values (Shift) F2 : Color		
F6 : Load BIOS Defaults		
F7 : Load Setup Defaults		

Power Management

This item allows you to adjust the power management features. Select Disable for disabling global power management features. Select User Defined for configuring your own power management features. MIN Saving initiates all predefined timers in their minimum values. MAX Saving, on the other hand, initiates maximum values.

The options are: Disable (Default), User Defined, MIN Saving, MAX Saving.

PM Control by APM

The option No allows the BIOS to ignore the APM (Advanced Power Management) specification. Selecting Yes will allow the BIOS wait for APM's prompt before it enters Doze mode, Standby mode, or Suspend mode.

If the APM is installed, it will prompt the BIOS to set the system into power saving mode when all tasks are done.

The options are: No, Yes (Default).

Video Off Method

The option V/H SYNC+Blank allows the BIOS to blank off screen display by turning off the V-Sync and H-Sync signals sent from add-on VGA card. DPMS Supported allows the BIOS to blank off screen display by your add-on VGA card which supports DPMS (Display Power Management Signaling function). Blank Screen allows the BIOS to blank off screen display by turning off the red-green-blue signals.

The options are: V/H SYNC+Blank, DPMS (Default), Blank Screen.

MODEM Use IRQ

This feature allows you to select the IRQ# of the system that is the same IRQ# as the modem use.

The options are: NA (Default), 3, 5, 7, 9, 10, 11.

Doze Mode

When disabled, the system will not enter Doze mode. The specified time option defines the idle time the system takes before it enters Doze mode.

The options are: Disabled(Default), 1, 2, 4, 6, 8, 10, 20, 30, 40 Min, 1 Hr.

Standby Mode

When disabled, the system will not enter the Standby mode. The specified time option defines the idle time the system takes before it enters Standby mode.

The options are: Disabled (Default), 1, 2, 4, 6, 8, 10, 20, 30, 40 Min, 1 Hr.

Suspend Mode

When disabled, the system will not enter Suspend mode. The specified time option defines the idle time the system takes before it enters Suspend mode.

The options are: Disabled (Default), 1, 2, 4, 6, 8, 10, 20, 30, 40 Min, 1 Hr.

HDD Power Down

Selecting Disable will turn off the hard disk drive (HDD) motor. Selecting 1 Min..15 Min allows you define the HDD idle time before the HDD enters the Power Saving Mode. The option When Suspend lets the BIOS turn the HDD motor off when system is in Suspend mode.

The options 1 Min..15 Min and When Suspend will not work concurrently. When HDD is in the Power Saving Mode, any access to the HDD will wake the HDD up.

The options are: Disable (Default), 1 Min..15 Min, When Suspend.

IRQ3, 4, 8, 12 (Wake-Up Event)

Selecting OFF allows the BIOS to refrain from waking up the system. Selecting ON allows the BIOS to wake up the system from Doze mode, Standby mode, or Suspend mode.

The options are: OFF, ON.

The default of IRQ3, 4, 12 (Wake-Up Event): ON.

The default of IRQ8 (Wake-Up Event): OFF.

Power Down Activities / IRQ3 - IRQ15

Selecting ON will enable the power management timers when a no activity event is detected in the specified I/O port or component.

Selecting OFF will disable the PM timer even if a no activity event is detected.

The options are: ON, OFF.

The default value of IRQ3 (COM2), IRQ4 (COM1), IRQ12 (PS/2 Mouse), IRQ14 (Hard Disk) : ON.

The default setting of other IRQs: OFF.

PNP/PCI Configuration Setup

ROM PCI/ISA BIOS (2A59GF09) PNP/PCI CONFIGURATION AWARD SOFTWARE, INC.	
PNP OS Installed : No Resource Controlled By : Auto Reset Configuration Data : Disabled	PCI IRQ Activated By : Level
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

If your operating system is a Plug-and-Play one, such as Windows 95, select Yes.

The options are: No (Default), Yes.

Resources Controlled By

If you set at Auto, the BIOS automatically arranges all system resources for you. If there exists conflict or you are not satisfy with the configuration, simply set all the resources listed in the above figure by selecting Manual.

The options are: Auto (default), Manual. The manual options of IRQ- / DMA- assigned to are: Legacy ISA, PCI/ISA PnP.

Reset Configuration Data

When enabled, allows the system to clear the last BIOS configuration data and reset them with the default BIOS configuration data.

The options are: Enabled, Disabled (default).

PCI IRQ Activated By

We suggest that you set this to its default configuration unless you are a qualified technician.

The options are: Level (Default), Edge.

Load BIOS Defaults

BIOS defaults contain the most appropriate values of the system parameters that allow minimum system performance. The OEM manufacturer may change the defaults through MODBIN before the binary image burns into the ROM.

Load Setup Defaults

Selecting this field loads the factory defaults for BIOS and Chipset Features which the system automatically detects.

Integrated Peripherals

ROM PCI/ISA BIOS (2A59GF09) PNP/PCI CONFIGURATION AWARD SOFTWARE, INC.	
IDE HDD Block Mode IDE Primary Master PIO IDE Primary Slave PIO IDE Secondary Master PIO IDE Secondary Slave PIO On-Chip Primary On-Chip Secondary USB Controller Onboard FDD Controller Onboard Serial Port 1 Onboard Serial Port 2 UART 2 Mode Onboard Parallel Port Onboard Parallel Mode	ESC : Quit ↑ ↓ → ← : Select Item F1 : Help PU/PD +/- : Modify F5 : Old Values (Shift) F2 : Color F6 : Load BIOS Defaults F7 : Load Setup Defaults

IDE HDD Block Mode

When enabled, allows the system to execute read/write requests to hard disk in block mode.

The options are: Enabled (Default), Disabled.

IDE Primary Master PIO

Allows an automatic or a manual configuration of the PCI primary IDE hard disk (master) mode.
The options are: Auto (Default), Mode 0, Mode 1, Mode 2, Mode 3, Mode 4.

IDE Primary Slave PIO

Allows an automatic or a manual configuration of the PCI primary IDE hard disk (slave).
The options are: Auto (Default), Mode 0, Mode 1, Mode 2, Mode 3, Mode 4.

IDE Secondary Master PIO

Allows an automatic or a manual configuration of the PCI secondary IDE hard disk (master) mode.
The options are: Auto (Default), Mode 0, Mode 1, Mode 2, Mode 3, Mode 4.

IDE Secondary Slave PIO

Allows an automatic or a manual configuration of the PCI secondary IDE hard disk (slave) mode.

The options are: Auto (Default), Mode 0, Mode 1, Mode 2, Mode 3, Mode 4.

On-Chip Primary PCI IDE

When enabled, allows you to use the onboard primary PCI IDE.

The options are: Enabled (Default), Disabled.

On-Chip Secondary PCI IDE

When enabled, allows you to use the onboard secondary PCI IDE.

The options are: Enabled (Default), Disabled.

USB Controller

If you do not use the onboard USB feature, it allows you to disable it.

The options are: Enabled, Disabled (Default).

Onboard FDD Controller

When enabled, the floppy diskette drive (FDD) controller is activated.

The options are: Enabled (Default), Disabled.

Onboard Serial Port 1

If the serial port 1 uses the onboard I/O controller, you can modify your serial port parameters. If an I/O card needs to be installed, COM3 and COM4 may be needed.

The options are: 3F8/IRQ4 (Default), 2F8/IRQ3, 3E8/IRQ4, 2E8/IRQ3, Disabled, 3F8/IRQ11, 2F8/IRQ10, 3E8/IRQ11, 2E8/IRQ10.

Onboard Serial Port 2

If the serial port 2 uses the onboard I/O controller, you can modify your serial port parameters. If an I/O card needs to be installed, COM3 and COM4 may be needed.

The options are: 2F8/IRQ3 (Default), 3E8/IRQ4, 2E8/IRQ3, Disabled, 3F8/IRQ11, 2F8/IRQ10, 3E8/IRQ11, 2E8/IRQ10, 3F8/IRQ4.

UART 2 Mode

Allows you to select the IR modes if the serial port 2 is used as an IR port. Set at Standard, if you use COM2 as the serial port as the serial port, instead as an IR port.

The options are: HPSIR, ASKIR, Standard (Default).

IR Function Duplex

This feature allows you to select the infrared data transaction way.
The options are: Half (Default), Full.

RxD, TxD Active

The feature allows you to select the active signals of the reception end and the transmission end. This is for technician use only.

The options are: Hi, Hi (Default); Hi, Lo; Lo, HI; Lo, Lo.

Onboard Parallel Port

Select from a given set of parameters if the parallel port uses the onboard I/O controller.

The options are: 378H/IRQ7 (Default), Disabled, 3BCH/IRQ7, 278H/IRQ5.

Onboard Parallel Mode

Allows you to connect with an advanced printer. Select SPP for standard parallel port (SPP) used on IBM PC/XT, PC/AT and bi-directional parallel port found on PS/2 system. Select Extended for extended parallel port. Select EPP Mode for enhanced parallel port. Select ECP Mode for Microsoft and HP Extended Capabilities Parallel Port. Select ECP+EPP Mode for both ECP and EPP Modes ports.

The options are: SPP (Default), EPP/SPP, ECP, ECP/EPP.

ECP Mode Use DMA

If you select ECP mode to be the parallel port mode, this feature allows you to select Direct Memory Access (DMA) channel.

The options are: 3 (Default), 1.

Parallel Port EPP Type

If you select EPP/SPP mode to be the parallel port mode, this feature allows you to select the EPP type version.

The options are: EPP1.9 (Default), EPP1.7.

IMPORTANT : I/O port 240h is reserved for the onboard Winbond I/O chip. Devices requiring I/O port address should not use port 240h.

Supervisor/User Password

To enable the Supervisor/User passwords, select the item from the Standard CMOS Setup. You will be prompted to create your own password. Type your password up to eight characters and press Enter. You will be asked to confirm the password. Type the password again and press Enter. You may also press Esc to abort the selection and not enter a password. To disable password, press Enter when you are prompted to enter password. A message appears, confirming the password is disabled.

Under the BIOS Feature Setup (refer to page 46) if System is selected under the Security Option field and the Supervisor Password is enabled, you will be prompted for the Supervisor Password every time you try to enter the CMOS Setup Utility. If System is selected and the User Password is enabled, you will be requested to enter the User Password every time you reboot the system. If Setup is selected under the Security Option field and the User Password is enabled, you will be prompted only when you reboot the system.

IDE HDD Auto Detection

ROM PCI/ISA BIOS (2A5L9F09) STANDARD CMOS SETUP AWARD SOFTWARE, INC.																																																						
HARD DISKS	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE																																														
Primary Master :																																																						
<table border="1"><thead><tr><th colspan="9">Select Primary Master Option (N=Skip) : N</th></tr><tr><th>OPTIONS</th><th>SIZE</th><th>CYLS</th><th>HEAD</th><th>PRECOMP</th><th>LANDZ</th><th>SECTOR</th><th>MODE</th><th></th></tr></thead><tbody><tr><td>2 (Y)</td><td>851</td><td>825</td><td>32</td><td>0</td><td>1650</td><td>63</td><td>LBA</td><td></td></tr><tr><td>1</td><td>852</td><td>1651</td><td>16</td><td>65535</td><td>1650</td><td>63</td><td>NORMAL</td><td></td></tr><tr><td>3</td><td>851</td><td>825</td><td>32</td><td>65535</td><td>1650</td><td>63</td><td>LARGE</td><td></td></tr></tbody></table>										Select Primary Master Option (N=Skip) : N									OPTIONS	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE		2 (Y)	851	825	32	0	1650	63	LBA		1	852	1651	16	65535	1650	63	NORMAL		3	851	825	32	65535	1650	63	LARGE	
Select Primary Master Option (N=Skip) : N																																																						
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Note : Some OSes (like SCO-UNIX) must use "NORMAL" for installation																																																						

The IDE Hard Disk Drive Auto Detection feature automatically configures your new hard disk. Use it for a quick configuration of new hard drives. This feature allows you to set the parameters of up to four IDE HDDs. The option with (Y) are recommended by the system BIOS. You may also keys in your own parameters instead of setting by the system BIOS. After all settings, press Esc key to to return the main menu. For confirmation, enter the Standard CMOS Setup feature.

Save and Exit Setup

ROM PCI/ISA BIOS (2A59GF09) CMOS SETUP UTILITY AWARD SOFTWARE, INC.	
STANDARD CMOS SETUP BIOS FEATURES SETUP CHIPSET FEATURES SETUP POWER MANAGEMENT SETUP PNP/PCI CONFIGURATION LOAD BIOS	INTEGRATED PERIPHERALS SUPERVISOR PASSWORD USER PASSWORD IDE HDD AUTO DETECTION SAVE & EXIT SETUP
SAVE to CMOS and EXIT (Y/N)? Y	
LOAD SETUP DEFAULTS	
ESC : Quit F10 : Save & Exit Setup	↑ ↓ → ← : Select Item (Shift) F2 : Change Color
SAVE DATA TO CMOS and EXIT SETUP	

After you have made changes under Setup, press Esc to return to the main menu. Move cursor to Save and Exit Setup or press F10 and then press Y to change the CMOS Setup. If you did not change anything, press Esc again or move cursor to Exit Without Saving and press Y to retain the Setup settings. The following message will appear at the center of the screen to allow you to save data to CMOS and exit the setup utility:

SAVE to CMOS and EXIT (Y/N)?

Exit without Saving

If you select this feature, the following message will appear at the center of the screen to allow you to exit the setup utility without saving CMOS modifications:

Quit Without Saving (Y/N)?

Note Default values of the various Setup items on this chapter may not necessarily be the same ones shown on your screen.