

September 9, 1996

BIOS Setup Utilities for PCV70/90

BIOS Setup Program

The ROM-based Setup utility allows the configuration to be modified without opening the computer for most basic changes. You can access the Setup utility by pressing the <F3> key after the memory test has begun and before the boot begins. The user is then prompted to press the <F1> key to access Setup.

Overview of the Setup Menu Screens

The Setup utility initially displays the Main menu screen. In each screen there are options for modifying the system configuration. Select a menu screen by pressing the left <←> or right <→> arrow keys. Use the up <↑> or down <↓> arrow keys to select items in a screen. Use the <Enter> key to select an item for modification. For certain items, pressing <Enter> will bring up a subscreen. After you have selected an item, use the arrow keys to modify the setting.

Setup Menu Screen	Description
Main	For setting up and modifying some of the basic options of a PC, such as time, date, floppy drives, hard drives.
Advanced	For modifying the more advanced features of a PC, such as peripheral configuration and advanced chipset configuration.
Security	For specifying passwords that can be used to limit access to the system.
Exit	For saving or discarding changes.
Floppy Options	For configuring your floppy drives.
IDE Device Configuration	For configuring your IDE devices.
Boot Options	For modifying options that affect the system boot up, such as the boot sequence.
Peripheral Configuration	For modifying options that affect the serial ports, the parallel port, and the disk drive interfaces.
Audio Configuration	For accessing and modifying audio configuration options.
Power Management Configuration	For accessing and modifying Advanced Power Management (APM) options.
Plug and Play Configuration	For modifying options that affect the system's Plug and Play capabilities.

Main CMOS Setup Screen

This section describes the Setup options found on the main menu screen. If you select certain options from the main screen (e.g., Hard Disk), the Setup utility switches to a subscreen for the selected option.

IDE Device Configuration Subscreen - IDE Translation Mode

Specifies the IDE translation mode. The options are Standard CHS (standard cylinder head sector - less than 1024 cylinders), Logical Block, Extended CHS (extended cylinder head sector - greater than 1024 cylinders), and Auto Detected (BIOS detects IDE drive support for LBA). The default is Auto Detected.



CAUTION: Do not change the IDE translation mode from the option selected when the hard drive was formatted; changing this option can result in corrupted data.

Note - If either serial port address is set, the address it is set to does not appear in the options dialog box of the other serial port. If the ATI mach64 video controller is active, the COM4, 2E8h address will not appear in the options dialog box of either serial port.

ISA LFB Size

Sets the size of the linear frame buffer. The options are Disabled 1 MB, 2 MB and 4 MB. Default = Disabled. If this is set to 1 MB, 2 MB or 4MB, then the ISA LFB Base Address field is displayed.

ISA LFB Base Address

This reports the base address of the LFB. There are no options to choose. This field will not appear if the ISA LFB size is set to Disabled.

Video Palette Snoop

Controls the ability of a primary PCI graphics controller to share a common palette with an ISA add-in video card. The options are Enabled and Disabled.

Latency Timer (PCI Clocks)

Sets the length of time an agent on the PCI bus can hold the bus when another agent has requested the bus. Valid numbers are between 0 and 256. Default = 66.

Power Management Configuration Subscreen

This section describes the options available on the Power Management Subscreen.

Advanced Power Management

Enable or disables the Advanced Power Management (APM) support in your system's BIOS. The options are Enabled and Disabled. Power Management will only work with APM-capable operation systems to manage power consumption in your system. If Advanced Power Management is set to Disabled, none of the field in the Advanced Power Management subscreens are displayed.

IDE Drive Power Down

Sets any IDE drives to spin down when the system goes into power managed mode. The options are Enabled and Disabled. Default = Enabled.

VESA Video Power Down

Sets the command issued to your graphics card when the system goes into power managed mode. The options are Disabled, Standby, Suspend, and Sleep. The default is Sleep.

Inactivity Timer

Sets how long the system must be inactive before it enters power managed mode. Enter the number of minutes between the range of 0 to 255 minutes. The default is 10 minutes.

Hot Key

Sets the Hot Key that when pressed while holding down the <Ctrl> and <Alt> keys, causes the system to enter power managed mode. All alphabetic keys are valid.

Plug and Play Configuration Subscreen

This section describes the options found on the Plug and Play configuration subscreen.

Configuration Mode

Sets how the BIOS gets information about ISA cards that do not have Plug and Play capabilities. The options are Use setup Utility and Use ICU (ISA Configuration Utility). The default is Use Setup Utility. If Use ICU is selected, the BIOS will depend on run-time software to ensure that there are no conflicts between ISA boards with Plug and Play capabilities and those without. Only Boot With PnP OS will be visible.

Use PnP OS

Enables the PC to boot with an operating system capable of managing Plus and Play add-in cards. The options are Non, Other, and Windows 95. The default is Windows 95.

Password Setup to System Bios

1. Shut down your system and reboot.
2. Enter the BIOS Setup utility.
3. Go to the security screen by pressing the right arrow key to move between screens.
4. Select the Set Administrative Password or Enter Password option and press Enter.
5. Enter a password (you can use up to seven characters).
6. Exit Setup.