3SLAV2

User Manual V1.0

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Printed in Taiwan.

Item Checklist

Before you begin installing your motherboard, please make sure that the following materials have been shipped:

This mainboard comes in a sturdy cardboard shipping carton, which should contain the following items:

- The main board.
- This user manual.
- One Floppy disk drive cable.
- One Ultra DMA/66 IDE cable.
- One Serial port cable.
- Software utilities.

If you discover damaged or missing items, please contact your retailer.

User's manual Version: 1.0
Release Date: Aug. 2000

CONTENTS

●Chapter ❶   Introduction

1-1 Introduction

The motherboard is a high-performance, low-cost motherboard which supports the Intel PIII FC-PGA and Socket 370 microprocessor. System memory bank supports 3 DIMM socket. Memory up to 512MB 133MHZ SDRAM.

On-board include 4X AGP, ATX power, Super I/O, 2 Ultra DMA33/66/100 EIDE interfaces, 4 USB ports, 1 4X AGP Expansion Slot,6 PCI Expansion slots, and 1 CNR Slot.

1-2 Specifications

CPU
- Pentium III(r)/Celeron**™** Processor.
- Celeron **™** Socket 370 PPGA packaged Processor.
- 2 nd level Cache Depend on CPU.
- Coppermine Socket 370 FCPGA packaged Processor.
- Support Up 1GHz Processor Cooling FAN Spec.
- VIA Cyrix III Processor.

Chipset
- INTEL FW82815 Graphics and memory controller Hub(GMCH).
- INTEL FW82801BA I/O Controller Hub(ICH2).

Clock Generator
- Supports 66 / 100 / 133 MHz FSB.

Memory
- 3 x 168-pin DIMM Sockets.
- Supports 100MHZ & 133MHZ SDRAM 32MB~512MB.
- In- Supports only 3.3V SDRAM DIMM.

VGA
- Integrated 2D/3D graphics chip(GMCH).
- Integrated 24-bit 230MHz RAMDAC.
- Support 4MB max Display Cache at AIMM Card.
- 2D graphics Up 1600x1200 in 8-bit Color at 85 Hz Refresh.
- H/W Motion Compensation Assistance for S/W MPEG2 Decode.
- Software DVD at 30fps.

Audio
- Supports AC97 CODEC (Avance Logic ALC100).
- Supports earphones, two channel speaker mode.
- MPU-401 Game/MIDI port and Sound blaster®16 compatible.
- Avance Logic. Sound Effects Utility Support Four Surround Mode and KaraOK Mode.

I/O Controller
- ITE I8712F Low Pin Count(LPC) interface.

Expansion Slot
- Six 32-bit PCI slots support Master mode.PCI Rev 2.2 Compliant.
- One AGP Slot support 1x 2x 4x Data Rate.
- One CNR Slot.

I/O Interface
- PCI Bus master IDE interface on board with two connectors support 4 IDE devices in 2 channel, the PCI IDE Controller supports PIO Mode 0 to Mode 4, Bus master IDE DMA Mode 2 and Ultra DMA 33/66/100.
- On board super Multi-I/O chip that support 2 serial port with 16550 Fast UART compatible, 1 parallel port with EPP and ECP capabilities, and a floppy disk drive interface.
- On board support PS/2 mouse Connector.
- On board support PS/2 Keyboard Connector.
- On board 4 USB ports.
- On board IrDA connector.
- Floppy port supports 2 FDD with 360K, 720K,1.2M,1.44M and 2.88M bytes ,Supports LS-120 floppy disk device.

Other Function

- Support Modem Ring Power On.
- Supports Keyboard, and WOL (Wake On LAN).
- CPU Work Clock auto detection by BIOS.

Power Supply
- On board 3V, 5V and 12V 20-pin ATX power connector.
- Use switching regulator to support CPU core voltage.
- CPU Core voltage auto detection.

Hardware Monitor
- CPU/Power Supply/Chassis Fan Revolution detecting.
- CPU Fan Control.
- System Voltage Detect.
- Display Actual Current Voltage.

BIOS
- Licensed AWARD BIOS, 4M bit Firmware Hub.
- ACPI ready for PC98/Windows 98.
- System BIOS supports ACPI function and Green feature function, DMI, Plug and Play Flash ROM.

Form factor
- ATX Form Factor.
- Dimensions 305mm x 200mm, 4 layers PCB.

Drivers

- Intel® 815 Chipset Graphics Drivers.
- INF Update Utilities.
- AC97 audio sound drivers.
- Virus Protection Applications.
- DirectX 7.0.

1-3 Block Diagram
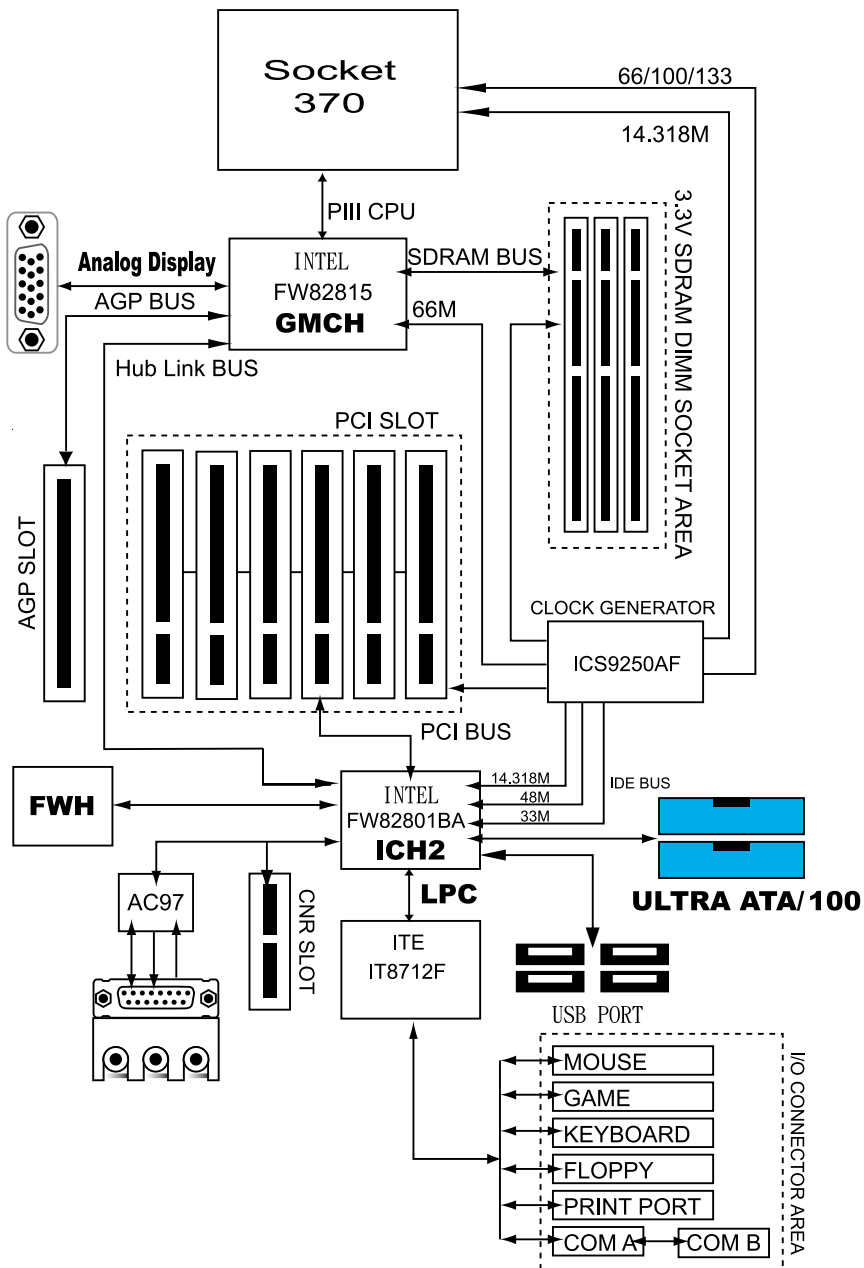
1-4 Main Board Layout with Default Setting

System default support PIII(100/133MHz FSB) and Celeron CPU

PS/2
JP2
JP4
JP5
USB1
COM1
ATX POWER
LPT1
SOCKET 370
North bridge
INTAL
FW82815
GMCH
FDC
VGA
GAME /AUDIO
FAN1
COM2
CD2
CD1
AGP4X
DIMM1 DIMM2 DIMM3
ITE SUPER I/O
FAN2
PCI1
South bridge
INTEL
FW82801BA
ICH2
PCI2
LAN1
PCI3
FAN3
IR2
IR1
PCI4
IDE1
IDE2
PCI5
JP7
AC97
FWH
USB2
PCI6
CNR
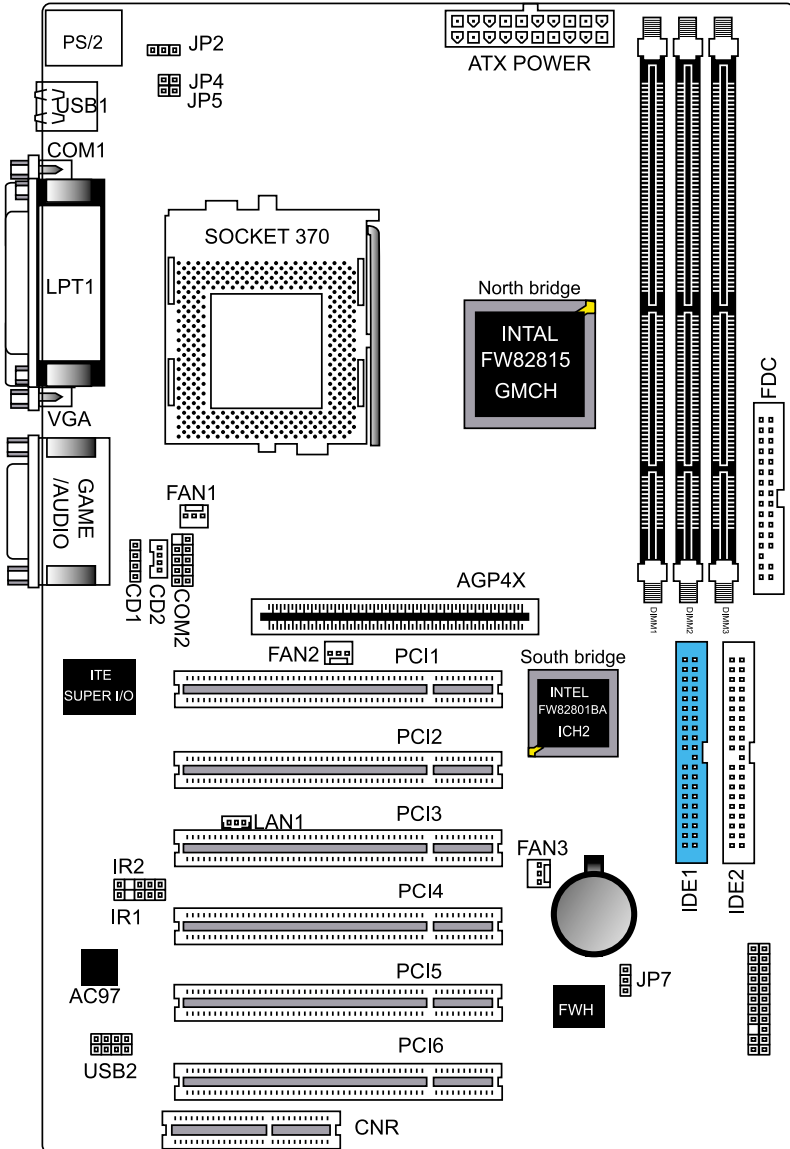
1-5   Static Electricity Precautions

Static electricity can easily damage your motherboard.
Observing a few basic precautions can help you safeguard against damage
that could result in expensive repairs. Follow the measures below to protect
your equipment from static discharge:

Keep the motherboard and other system components in their antistatic
packaging until you are ready to install them.

Touch a grounded surface before you remove any system component from
its protective antistatic packaging. A grounded surface within easy reach
is the expansion slot covers at the rear of the system case. or any other
unpainted portion of the system chassis.

During configuration and installation, touch a ground surface frequently to
discharge any static electric charge that may build up in your body. An-
other option is to wear a grounding wrist strap.

When handling a motherboard or an adapter card, avoid touching its
components. Handle the motherboard and adapter cards either by the edges
or by the mounting bracket that attaches to the slot opening in the case.

● Chapter 2 Installation Procedures

The mainboard has some user-adjustable jumpers on the board that allow you to configure your system to suit your requirements. This chapter contains information on the various jumper settings on your mainboard.

To set up your computer, you must complete the following steps:

    1. Setting system jumpers.
    2. Install RAM modules.
    3. Install CPU & FAN.
    4. Connect ribbon cables, cabinet wires, and power supply.
    5. Set up BIOS.
    6. Set up system drivers and utility.

2-1 Setting System Jumpers

You may configure your motherboard to match the needs of your applications by setting jumpers. A jumper is the simplest kind of electrical switch. It consists of two metal pins and a small metal clip (often protected by a plastic cover) that slides over the pins to connect them. To "close" a jumper, you connect the pins with the clip. To "open" a jumper, you remove the clip. Sometimes a jumper will have three pins, labeled 1, 2, 3. In this case you would connect either pin 1 and 2 or 2 and 3.

       OPEN   CLOSED   CLOSED 2-3

The jumper settings are schematically depicted in this manual as follows:

                                                     1   2   3
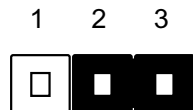
A pair of needle-nose pliers may be helpful when working with jumpers.

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Note: *When you open the jumper, attach the plastic jumper cap to one of the pins so you won't lose it.*
Warning: *Always completely disconnect the power cord from your board whenever you are working on it. Do not make connections while the power is on because sensitive electronic components can be damaged by the sudden rush of power.*

Always ground yourself to remove any static charge before touching the board. Modem electronic devices are very sensitive to static electric charges. Use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielded bag when they are not in the chassis.
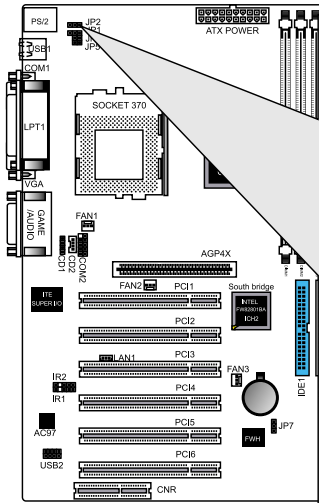
Clear CMOS:(JP7)
To clear the data stored in the CMOS, always turn off the computer first, then remove this jumper to 2-3 pin to clear the CMOS. The jumper should be set to 1-2 pin (3V battery back up) before turn on the computer.

	States	JP7
1	Clear CMOS	
2	Normal[Default]	

3SLAV2 User's Manual
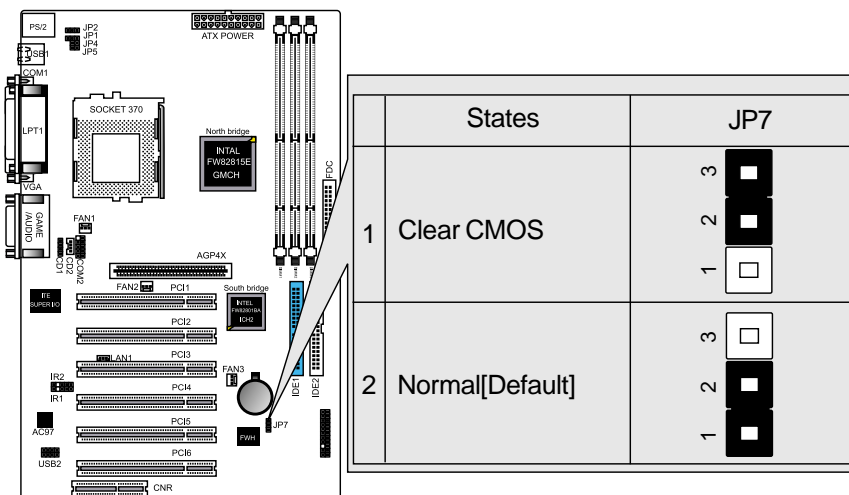
Keyboard Power On Selection(JP2)

The keyboard power on selection function. If your ATX power supply can supports 700mA 5V standby current (with keyboard require).you can use this function.

	States	JP2
1	Disable [Default]	1 2 3 (pins 1-2 jumpered)
2	Enable this function	1 2 3 (pins 2-3 jumpered)

If your ATX power supply not support 700mA 5V standby current. Don't enable this function.

2-2 System Memory (DIMM)

The motherboard supports up to 512MB 100/133MHz SDRAM. No hardware or BIOS setup is required after adding or removing the system memory.

Note:
1. The motherboard uses only Dual Inline Memory Modules (DIMMs). Sockets are available for 3.3Volt (power level) Synchronous Dynamic Random Access Memory (SDRAM).
2. The 100/133 MHz compliant SDRAM must be used because of the strict timing issues involved under this speed.

Installing system Memory
Insert the DIMM module(s) as shown. Because the number of pins are different on each side of the breaks, the module will be fitted only in the orientation shown. The DIMM must be 3.3V for this motherboard.
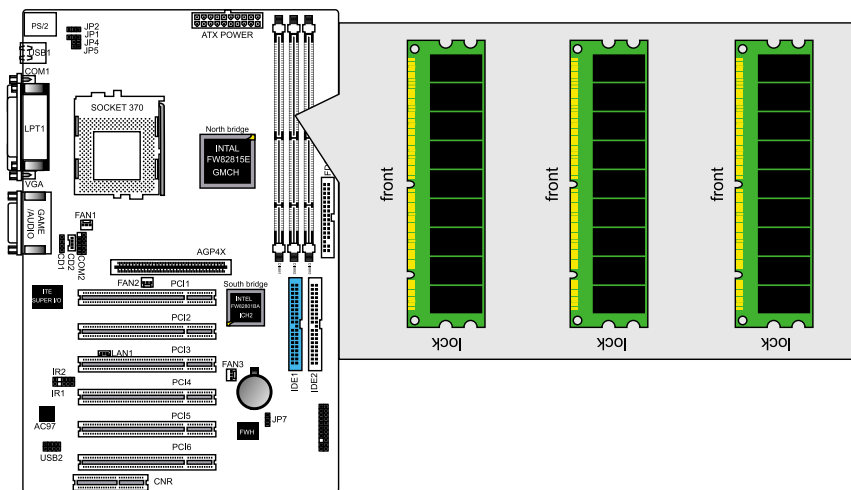
2-3 Central Processing Unit (CPU)

The Motherboard provides a ZIF Socket 370 . The CPU that came with the motherboard should have a fan attached to it to prevent overheating. If this in not the case, then purchase a fan before you turn on your system. Be sure that there is sufficient air circulation across the processor heat sink, or the processor could overheat and damage both the processor and the motherboard.

To install a CPU, first turn off your system and remove its cover. Locate the ZIF socket and open it by first pulling the lever sideways away from the socket then upwards to a 90-degree angle. Insert the CPU with the correct orientation as shown. The notched corner should point towards the end of the lever. Because the CPU has a corner pin for two of the four corners, the CPU will only be fitted in the orientation as shown. The picture is for reference only: you should have a CPU fan that covers the top side of the CPU. With the added weight of the CPU fan, no force is required to insert the CPU. Once completely inserted, close the socket's lever while holding down the CPU.

2-4 Expansion Cards

Always unplug the power supply when adding or removing expansion cards or other system components. Failure to do so may cause severe damage to both your motherboard and expansion cards.

Expansion Card Installation Procedure The Motherboard has 6 PCI Expansion slots. You may install up to 6 PCI cards on this motherboard. To install the PCI cards , please follow the following procedure:
 1. Read the documentation for your expansion card and make any necessary hardware or software settings for you expansion card, such as jumpers or switches.
 2. Remove your computer system cover and the bracket plate with screw on the slot you intend to use. Keep the bracket for possible future use.
 3. Carefully align the card connectors and press firmly.
 4. Secure the card on the slot with the screw you removed above.
 5. Replace the computer system cover.
 6. Setup the BIOS if necessary.
 7. Install the necessary software drivers for your expansion card.

2-5 External Connectors

1.PS/2 Mouse Connector:
The motherboard provides a mini-DIN mouse connector, which supports a
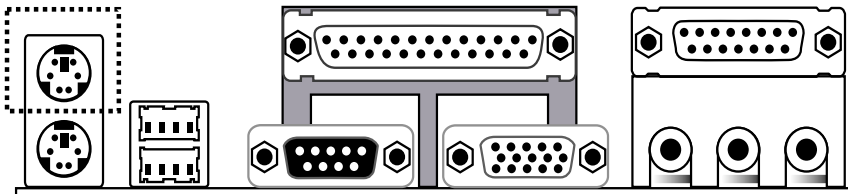
PS/2 style mouse.
2.PS/2 Keyboard Connector:
This connector is for a standard keyboard using a PS/2 plug (mini DIN). This connector will not allow standard AT (large DIN) keyboard plugs. You may use a DIN to mini DIN adapter on standard AT keyboards. In some applications, the keyboard is not present, the standard BIOS will report an error or failure during the Power-On Self Test (POST) after resetting the PC. You may select "All, But Keyboard" under the "Halt On" in "Standard CMOS SETUP" of BIOS SETUP.
This allows the system non-keyboard operation without the system halting
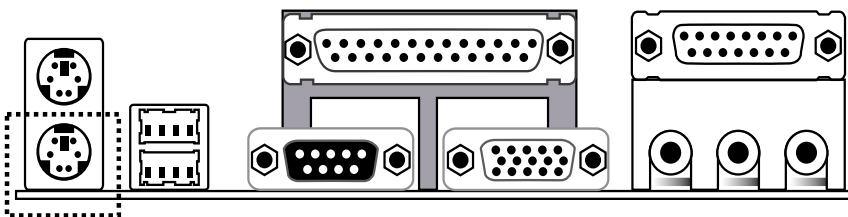
during the POST.
3.Universal Serial BUS (USB) Ports 1 & 2:
There are two USB ports on this motherboard for connecting USB devices.
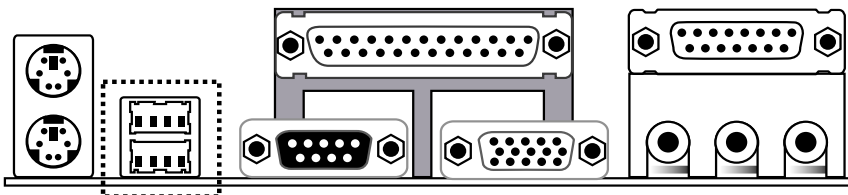
4.Parallel Port Connector:

Normally, the parallel port is used to connect the system to a printer.
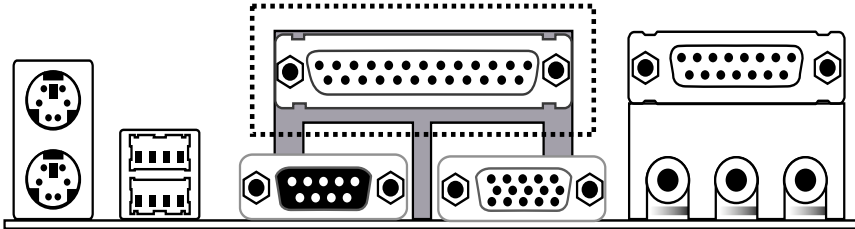
5.Serial Port COM1 connector:

The COM1 port is ready for a mouse or other serial devices. A second serial port is available using a serial port bracket connected from the motherboard to an expansion slot opening.
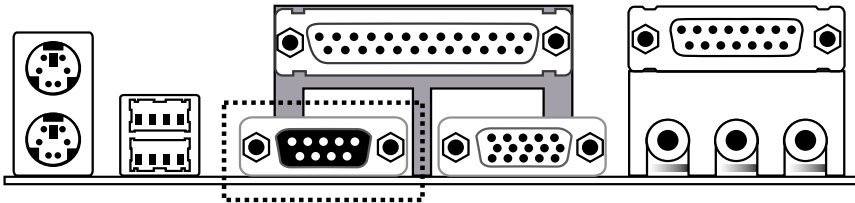
6.Display connector:

This connector is for output to a VGA-compatible device, commonly used for conventional CRT displays.
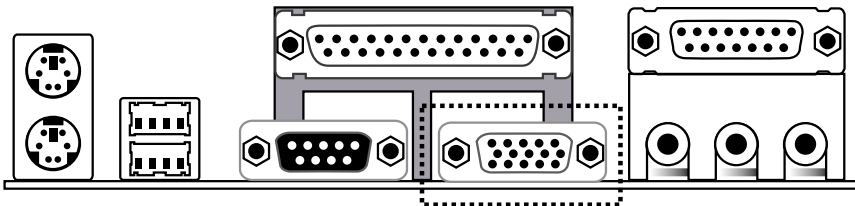
7.Floppy Disk Drive Connector(FDC)

You can attach up to two floppy drives to the motherboard. After connecting the single end to the board, connect the two plugs on the other end to the floppy drives. The drive A: should be connected on the end and the drive B: in the middle.

Floppy Disk Drive Connector
Color: White

PIN1

Note: Orient the red marking on the floppy ribbon cable to pin1
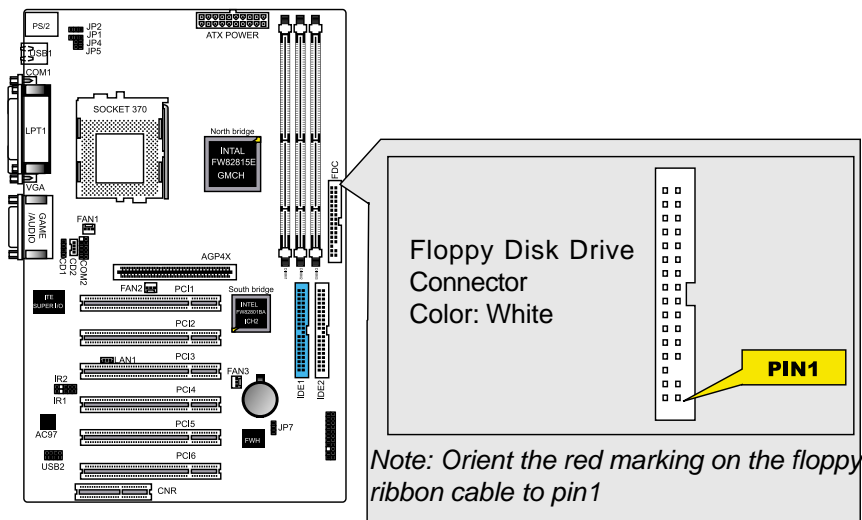
Note: Pin 5 is removed to prevent the users inserting the Floppy Disk Drive in the wrong orientation when using ribbon cables with pin 5 plugged.

8.Primary/Secondary IDE Connectors(IDE1 and IDE2)

The motherboard supports up to fure IDE devices, including CD-ROM drives, tape backup drives, Hard Disk Drives, and other IDE devices. After connecting the single end to the board, connect the two plugs at the other end to your hard disk(s). If you install two hard disks, you must configure the second drive to Slave mode by setting its jumper accordingly. Please refer to your hard disk documentation for the jumper settings. (Pin 20 is removed to prevent the users inserting the IDE devices in the wrong orientation when using ribbon cables with pin 20 plugged).

Note: Ultra DMA/66 IDE devices must use an 80-wire IDE cable or else devices will automatically be limited to Ultra DMA/33 mode.

Primary IDE
Connectors
Color : Blue

PIN1

Secondary IDE
Connectors
Color : White

PIN1
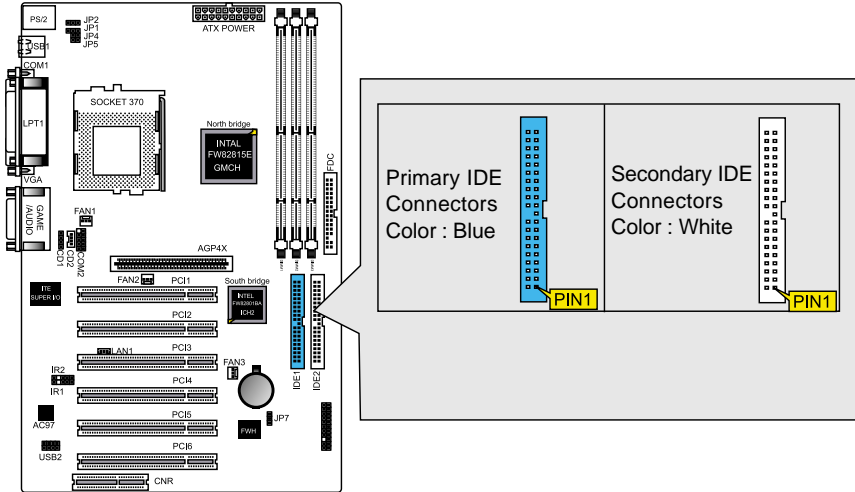
9.Wake-On-LAN(WOL)connectors(J2)

The Wake-On-LAN connectors connect to a LAN card respectively with a Wake-On-LAN output. The connectors power up the system when a wakeup packet or signal is received through the LAN card.

Wake-On-Lan(WOL) connectors

PIN	Function
1	+5V_SB
2	GND
3	SIGNAL

GND

+5V_SB   SIGNAL

1   2   3
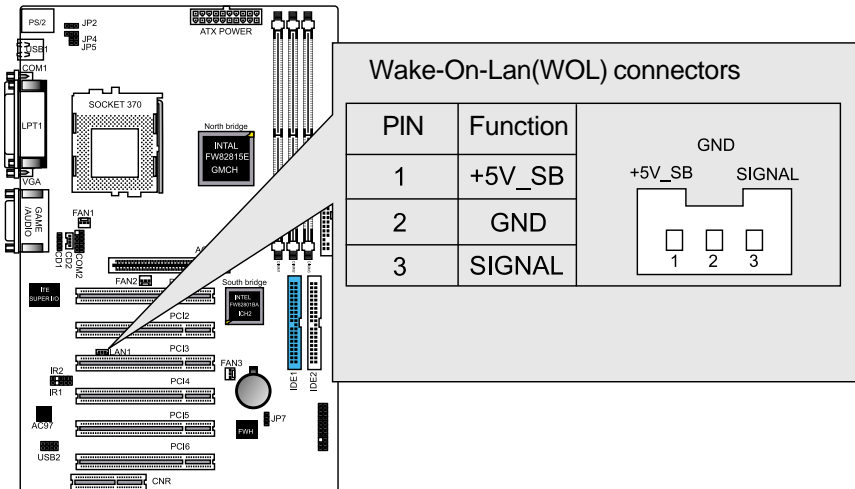
10.CPU/Chassis Fan Connectors(FAN1 and FAN2 and FAN3)

This motherboard provides CPU, Power, and Chassis fan connectors. Orientate the fan so that the heat sink fins allow airflow to go across the onboard heat sink(s) instead of the expansion slots. Depending on the fan manufacturer, the wiring and plug may be different. The red wire should be positive, while the black should be ground. Connect the fan plug to the board taking into consideration the polarity of the connector.
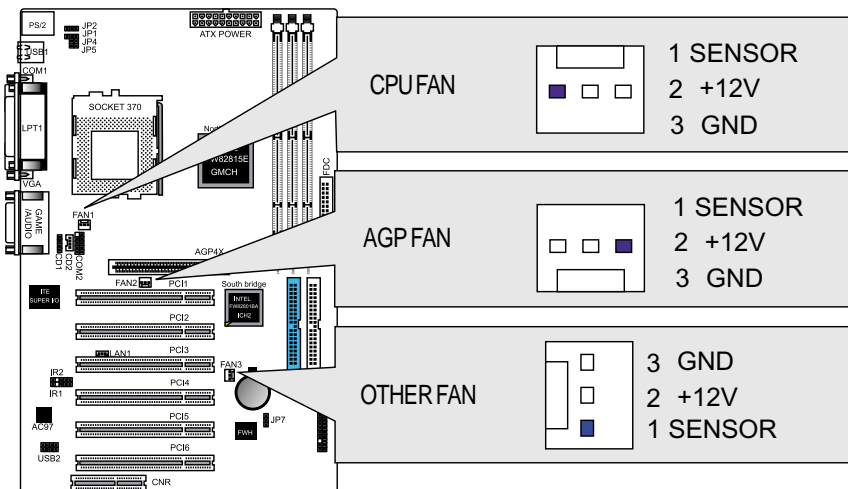
Note: The CPU and motherboard will overheat if there is no airflow across the CPU and onboard heatsink. Damage may occur to the motherboard and the CPU fan if these pins are incorrectly used. These are not jumpers, do not place jumper caps over these pins.

System Panel Connectors (J3)
Refer to the following figure for item 11 to 15.
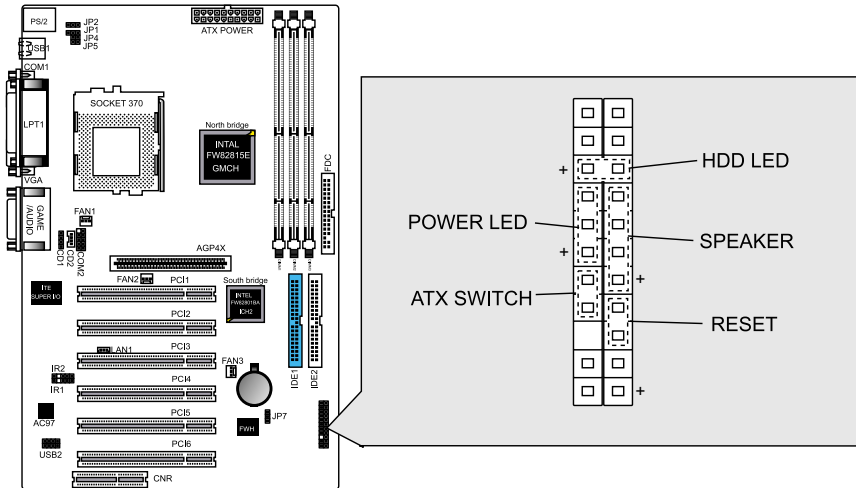
11.Power LED Lead
This indicates the status of the system power is turned "ON' or "OFF" The LED will light when the system power is turned on and will go off when the system power is turned off.

12.System Warning Speaker Connector
This 4-pin connector connects to the case-mounted speaker.

13.ATX Power Switch Lead
The system power is controlled by a momentary switch connected to this lead. Pressing the button once will switch the system between ON and SOFT OFF. Pushing the switch while in the ON mode for more than 4 seconds will turn the system off. The Power LED shows the status of the system power.

14.HDD LED Lead
This connector supplies power to the cabinet IDE activity LED. Read and write activity by devices connected to the Primary or Secondary IDE connectors will cause the LED to Light up.

15.Reset Switch Lead
This 2-pin connector connects to the case-mounted reset switch for rebooting your computer without having to turn off your power switch. This is a preferred method of rebooting to extend the life of the system power supply.

16.ATX Power Connector:

This connector connects to an ATX power supply. The plug from the power supply will only insert in one orientation because of the different hole sizes. Find the proper orientation and push down firmly making sure that the pins are aligned.

17.IR Pin Header:IR1

PIN	IR1
1	+5 VCC
3	IRRX/CIRRX
4	GND
5	IRTX/CIRTX
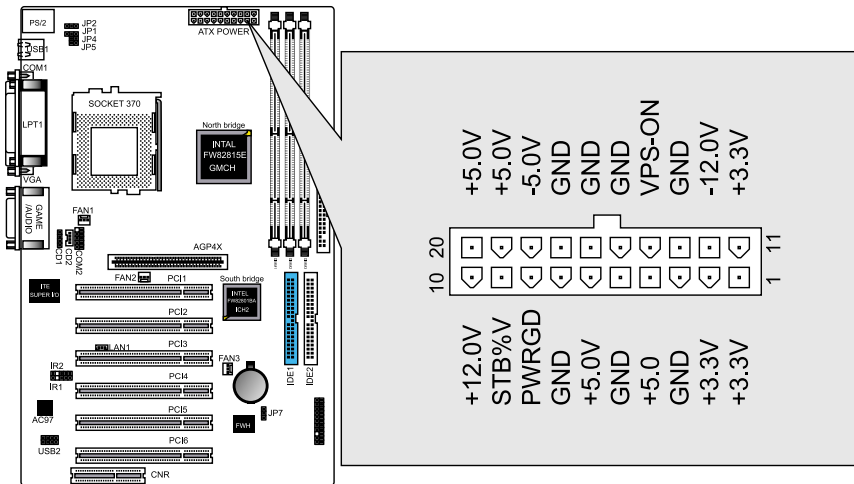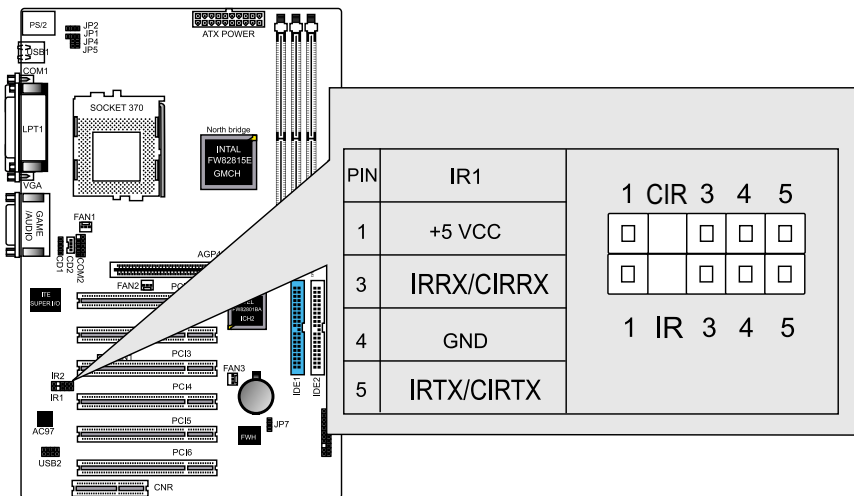
18.Universal Serial BUS (USB) PIN Header(USB2)
There are two USB PIN Header on this motherboard for connecting USB devices.

Universal Serial BUS (USB) PIN Header

PIN	FUNCTION	PIN	FUNCTION
1	VCC	5	GND
2	USB-	6	USB+
3	USB+	7	USB-
4	GND	8	VCC
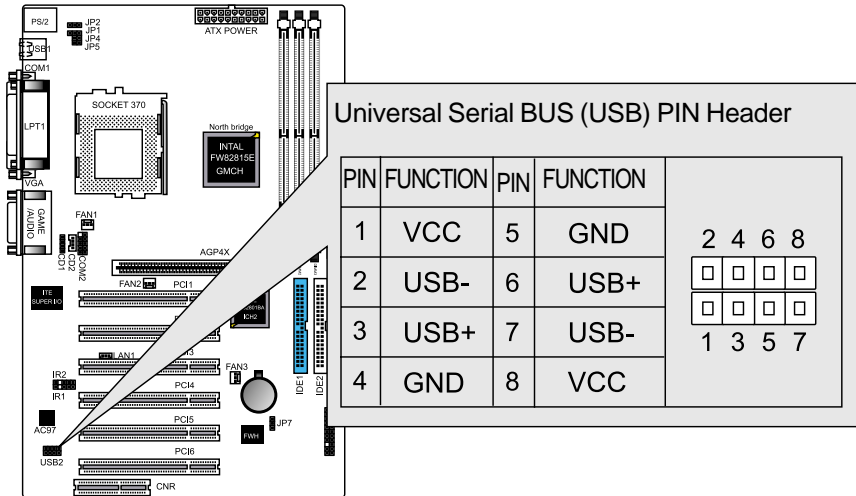
Caution: Pls. Compare each pin assignment of USB cable with that of USB PIN header listed above. If both are not matched, please contact your distributor for suitable cable. Otherwise, we will not be able to responsible for any problem arised from this issue.

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2-6 Power Connection Procedures

After all connections are made, close the system case cover.

Be sure that all switches are OFF.

Connect the power supply cord to the power supply located on the back of your system case according to your system user manual.

Connect the power cord to a power outlet that is equipped with a surge protector.

You may then turn ON your devices in the following order:
   (1) Your monitor
   (2) External SCSI devices (starting with the last device on the chain)
   (3) Your system power For ATX power supplies, you need to switch ON the power supply if a switch is provided as well as press the ATX power switch on the front of the case.

The power LED on the front panel of the system case will light. For ATX power supplies, the power LED will light when the ATX power switch is pressed. The system will then run power-On tests. While the tests are running, additional messages will appear on the screen. If you do not see anything within 30 seconds from the time you turn on the power, the system may have failed a power-on test. Check your jumper settings and connections again or call your retailer for assistance.

During power-ON, hold down <Delete> to enter BIOS setup.
Follow the instructions in chapter 3 BIOS Setup

To power off you computer, you must first exit or shut down your operating system before switching OFF the power switch. For ATX power supplies, you can press the ATX power switch after exiting or shutting down your operating system. If you use Windows 95/98, click the start button, click shut down, and then click Shut down the computer. The power supply should turn OFF after Windows shuts down. For ATX power supplies, the message "You can now safely turn OFF your computer" will not appear when shutting down the computer.

● Chapter ❸   AWARD BIOS Setup

3-1 Introduction

This manual discusses Award(tm) Setup program built into the ROM BIOS. The Setup program allows users to modify the basic system configuration. This special information is then stored in battery-backed RAM so that it retains the Setup information when the power is turned off.

The AwardBIOS(tm) installed in your computer system's ROM (Read Only Memory) is a custom version of an industry standard BIOS. This means that it supports Intel/Cyrix/AMD processors in a standard IBM-AT compatible input/output system. The BIOS provides critical low-level support for standard devices such as disk drives and serial and parallel ports.
The AwardBIOS(tm) has been customized by adding important, but non-standard,features such as virus and password protection as well as special support for detailed fine-tuning of the chipset controlling the entire system. The rest of this manual is intended to guide you through the process of configuring your system using Setup.

Starting Setup
The AwardBIOS(tm) is immediately activated when you first power on the computer.The BIOS reads the system information contained in the CMOS and begins the process of checking out the system and configuring it. When it finishes, the BIOS will seek an operating system on one of the disks and then launch and turn control over to the operating system.
While the BIOS is in control,the Setup program can be activated in one of two ways:
   1. By pressing<Del>immediately after switching the system on, or
   2. By pressing the<Del>key when the following message appears briefly at the bottom of the screen during the POST (Power On Self-Test).
      Press DEL to enter SETUP.
If the message disappears before you respond and you still wish to enter Setup,restart the system to try again by turning it OFF then ON or pressing the "RESET" button on the system case. You may also restart by simultaneously pressing **<Ctrl>**, **<Alt>**, and **<Delete>** keys. If you do not press the keys at the correct time and the system does not boot, an error message will be displayed and you will again be asked to...

PRESS F1 TO CONTINUE, DEL TO ENTER SETUP

Using Setup
In general, you use the arrow keys to highlight items, press **<Enter>** to select, use the **PageUp** and **PageDown** keys to change entries, press **<F1>** for help and press **<Esc>** to quit. The following table provides more detail about how to navigate in the Setup program using the keyboard.

Key	Function
Up arrow	Move to previous item
Down arrow	Move to next item
Left arrow	Move to the item in the left (menu bar)
Right arrow	Move to the item in the right (menu bar)
Esc	Main Menu: Quit without saving changes Submenus: Exit Current page to the next higher level menu
Move Enter	Move to the item you desired
PgUp key	Increase the numeric value or make changes
PgDn key	Decrease the numeric value or make changes
+ key	Increase the numeric value or make changes
- key	Decrease the numeric value or make changes
Esc key	Main Menu: Quit and not save changes into CMOS Status Page Setup Menu and Option Page Setup Menu - - Exit current page and return to Main Menu
F1 key	General help on Setup navigation keys
F5 key	Load previous value from CMOS
F6 key	Load the fail-safe defaults from BIOS default table
F7 key	Load the optimized default
F10 key	Save all the CMOS changes, only for Main Menu

Navigating through the menu bar
Use the left and right arrow keys to choose the menu you want to be in.
To display a sub menu
use the arrow keys to move the cursor to the sub menu you want. Then press <Enter>.

Getting Help
Press F1 to pop up a small help window that describes the appropriate keys to use and the possible selections for the highlighted item. To exit the Help Window press <Esc> or the F1 key again.

In Case of Problems
If, after making and saving system changes with Setup, you discover that your computer no longer is able to boot, the AwardBIOS(tm) supports an override to the CMOS settings which resets your system to its defaults.

The best advice is to only alter settings which you thoroughly understand. To this end, we strongly recommend that you avoid making any changes to the chipset defaults. These defaults have been carefully chosen by both Award and your systems manufacturer to provide the absolute maximum performance and reliability. Even a seemingly small change to the chipset setup has the potential for causing you to use the override.

A Final Note About Setup
Not all systems have the same Setup. While the basic look and function of the Setup program remains the same for all systems, individual motherboard and chipset combinations require custom configurations. For example, you may find that your Setup main menu has a different number of entries from the main menu displayed in this manual. These are simply features not supported (or not user configurable) on your system.

The final appearance of the Setup program also depends on the Original Equipment Manufacturer (OEM) who built your system. If your OEM has decided that certain items should only be available to their technicians, those items may very well be removed from the Setup program.

3-2 Main Menu
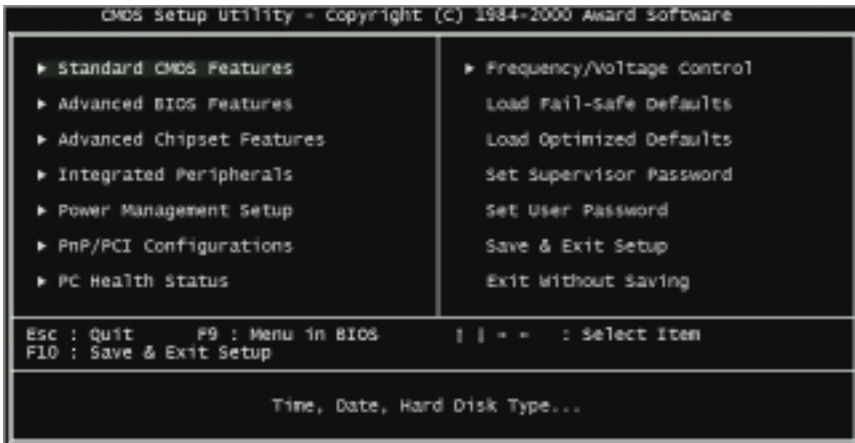
Once you enter the AwardBIOS(tm) CMOS Setup Utility, the Main Menu will appear on the screen. The Main Menu allows you to select from several setup functions and two exit choices. Use the arrow keys to select among the items and press <Enter> to accept and enter the sub-menu.

Note that a brief description of each highlighted selection appears at the bottom of the screen.

Setup Items
The main menu includes the following main setup categories. Recall that some systems may not include all entries.

Standard CMOS Features
Use this menu for basic system configuration.

Advanced BIOS Features
Use this menu to set the Advanced Features available on your system.

Advanced Chipset Features
Use this menu to change the values in the chipset registers and optimize your system's performance.

Integrated Peripherals
Use this menu to specify your settings for integrated peripherals.

Power Management Setup
Use this menu to specify your settings for power management.

PnP / PCI Configuration
This entry appears if your system supports PnP / PCI.

Frequency/Control
Use this menu to specify your settings for frequency/control.

Load Fail-Safe Defaults
Use this menu to load the BIOS default values for the minimal/stable performance for your system to operate.

Load Optimized Defaults
Use this menu to load the BIOS default values that are factory settings for optimal performance system operations. While Award has designed the custom BIOS to maximize performance, the factory has the right to change these defaults to meet their needs.

Set Password
Use this menu to set Passwords.

Save & Exit Setup
Save CMOS value changes to CMOS and exit setup.

Exit Without Save
Abandon all CMOS value changes and exit setup.

3-3 Standard CMOS Setup
The items in Standard CMOS Setup Menu are divided into 10 categories. Each category includes no, one or more than one setup items. 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.
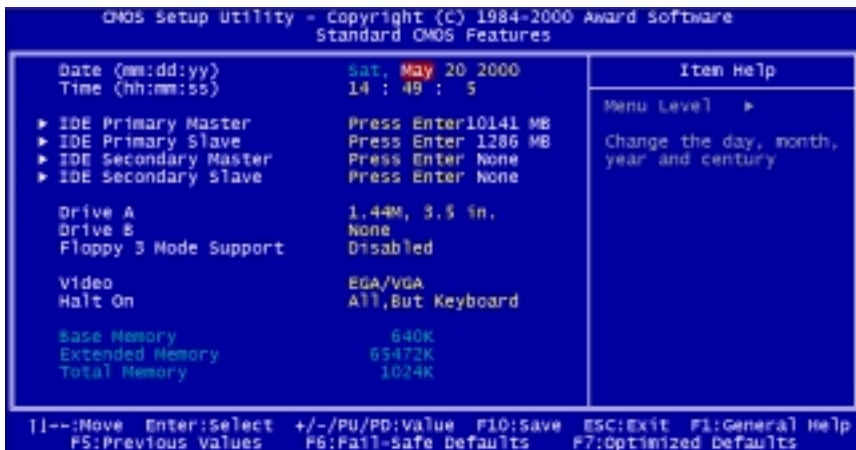
Main Menu Selections

This table shows the selections that you can make on the Main Menu

Item	Options	Description
Date	Month DD YYYY	Set the system date. Note that the 'Day' automatically changes when you set the date
Time	HH : MM : SS	Set the system time
IDE Primary Master	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Primary Slave	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Secondary Master	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
IDE Secondary Slave	Options are in its sub menu (described in Table 3)	Press <Enter> to enter the sub menu of detailed options
Drive A Drive B	None 360K, 5.25 in 1.2M, 5.25 in 720k, 3.5 in 1.44M, 3.5 in 2.88M, 3.5 in	Select the type of floppy disk drive installed in your system
Video	EGA/VGA CGA 40 CGA 80 MONO	Select the default video device
Halt On	All Errors No Errors All, but Keyboard All, but Diskette All, but Disk/Key	Select the situation in which you want the BIOS to stop the POST process and notify you
Base Memory	N/A	Displays the amount of conventional memory detected during boot up
Extended Memory	N/A	Displays the amount of conventional memory detected during boot up
Total Memory	N/A	Displays the total memory available in the system

IDE Adapters

The IDE adapters control the hard disk drive. Use a separate sub menu to configure each hard disk drive.

```
         CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
                              IDE Primary Master

    IDE HDD Auto-Detection      Press Enter              Item Help

    IDE Primary Master          Auto           Menu Level    ▶▶
    Access Mode                 Auto
                                               To auto-detect the
    Capacity                    10141 MB       HDD's size, head... on
                                               this channel
    Cylinder                    20960
    Head                           15
    Precomp                         0
    Landing Zone                20959
    Sector                         63




 ↑↓→←:Move  Enter:Select  +/-/PU/PD:Value  F10:Save  ESC:Exit  F1:General Help
    F5:Previous Values     F6:Fail-Safe Defaults    F7:Optimized Defaults
```

IDE Primary Master sub menu

Use the legend keys to navigate through this menu and exit to the main menu.

Item	Options	Description
IDE HDDAuto-detection	Press Enter	Press Enter to auto-detect the HDD on this channel. If detection is successful, it fills the remaining fields on this menu.
IDE Primary	None	Selecting 'manual' lets you set the
Master	Auto Manual	remaining fields on this screen. Selects the type of fixed disk. "User type" will let you select the number of cylinders, heads, etc. Note: PRECOMP=65535 means NONE!
Capacity	Auto Display your disk drive size	Disk drive capacity (Approximated). Note that this size is usually slightly greater than the size of a formatted disk given by a disk checking program.
Access Mode	Normal LBA Large	Choose the access mode for this hard disk
	Auto	

The following options are selectable only if the 'IDE Primary Master' item is set to 'Manual'

Cylinder	Min = 0 Max = 65535	Set the number of cylinders for this hard disk.
Head	Min = 0 Max = 255	Set the number of read/write heads
Precomp	Min = 0 Max = 65535	*****Warning:** Setting a value of 65535 means no hard disk
Landing zone	Min = 0 Max = 65535	
Sector	Min = 0 Max = 255	Number of sectors per track

3-4 Advanced BIOS Features

This section allows you to configure your system for basic operation. You have the opportunity to select the system's default speed, boot-up sequence, keyboard operation, shadowing and security.
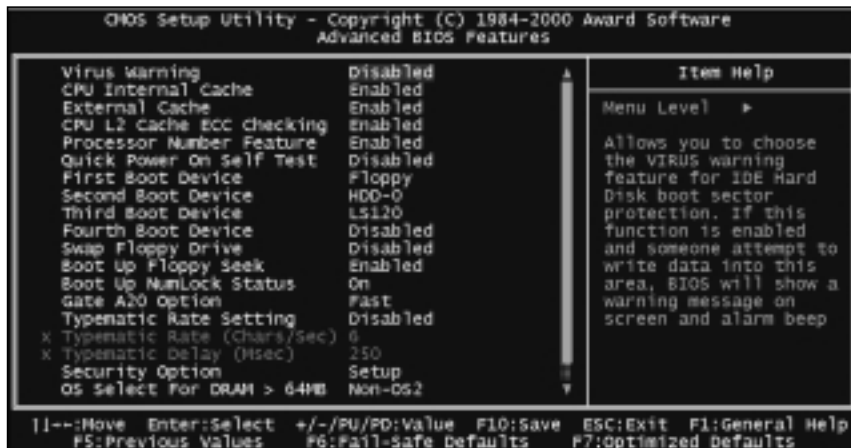
Virus Warning
Allows you to choose the VIRUS Warning feature for IDE Hard Disk boot sector protection.If this funtion is enabled and someone attempt to write data into this area, BIOS will show a warning message on screen and alarm beep.

Enabled	Activates automatically when the system boots up causing a warning message to appear when anything attempts to access the boot sector or hard disk partition table.
Disabled	No warning message will appear when anything attempts to access the boot sector or hard disk partition table.

CPU Internal Cache/External Cache
These two categories speed up memory access. However, it depends on CPU/chipset design.

Enabled	Enable cache
Disabled	Disable cache

CPU L2 Cache ECC Checking
This item allows you to Enable/Disable CPU L2 Cache ECC checking.
The choice: Enabled, Disabled.

Processor Number Feature
The item is used to Enabled/Disabled the Processor Number Feature.
The choice: Enabled, Disabled.

Quick Power On Self Test
This category speeds up Power On Self Test (POST) after you power up the computer. If it is set to Enable, BIOS will shorten or skip some check items during POST.

Enabled	Enable quick POST
Disabled	Normal POST

First/Second/third/Other Boot Device
The BIOS attepts to load the operating system from the device in the sequence selected in these items.
The choice: Floppy, LS/ZIP, HDD, SCSI, CDROM, Disabled.

Swap Floppy Drive
If the system has two floppy drivces, you can swap the logical drive name assignments.
The choice: Enabled/Disabled.

Boot Up Floppy Seek
Seeks disk drives during boot up. Disabling speeds boot up.
The choice: Enabled/Disabled.

Boot Up NumLock Status
Select power on state for NumLock.
The choice: Enabled/Disabled.

Typematic Rate Setting
Key strokes repeat at rate determined by the keyboard controller. When
enabled, the typematic rate and typematic delay can be selected.
The choice: Enabled/Disabled.

Typematic Rate(Chars/Sec)
Sets the number of times a second repeat a key stroke when you hold the
key down.
The choice: 6, 8, 10, 12, 15, 20, 24, 30.

Typematic Delay (Msec)
Sets the delay time after the key is held down before it begins to repeat the
keystroke.
The choice: 250, 500, 750, 1000.

Security Option
Select whether the password is required every time the system boots or
only when you enter setup.

System	The system will not boot and access to Setup will be denied if the correct password is not entered at the prompt.
Setup	The system will boot, but access to Setup will be denied if the correct password is not entered at the prompt.

*Note:To disable security, select PASSWORD SETTING at Main Menu and
then you will be asked to enter password. Do not type anything and just
press <Enter>, it will disable security. Once the security is disabled, the
system will boot and you can enter Setup freely.*

OS Select for DRAM > 64MB
This item allows you to access the memory that over 64MB in OS/2.
The choice: Non-OS2, OS2.

Report No FDD For Win 95
Whether report no FDD for Win 95 or not.
The choice: Yes, No.

3-5 Advanced Chipset Features/Integrated Peripherals

```
           CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
                          Advanced Chipset Features

       SDRAM CAS Latency Time      3                  ┌───────────────────┐
       SDRAM Cycle Time Tras/Trc   6/8                │     Item Help     │
       SDRAM RAS-to-CAS Delay      3                  ├───────────────────┤
       SDRAM RAS Precharge Time    3                  │ Menu Level   ▶    │
       System BIOS Cacheable       Disabled           │                   │
       Video BIOS Cacheable        Disabled           │                   │
       Memory Hole At 15M-16M      Disabled           │                   │
       CPU Latency Timer           Enabled            │                   │
       Delayed Transaction         Enabled            │                   │
       On-Chip Video Window Size   64MB               │                   │
       AGP Graphics Aperture Size  64MB               │                   │
       Display Cache Frequency     100 MHz            │                   │
       System Memory Frequency     Auto               │                   │
                                                      │                   │
       * Onboard Display Cache Setting *              │                   │
          CAS# Latency             3                  │                   │
          Paging Mode Control      Open               │                   │
          RAS-to-CAS Override      by CAS# LT         │                   │
          RAS# Timing              Fast               │                   │

    ↑↓→←:Move  Enter:Select  +/-/PU/PD:Value  F10:Save  ESC:Exit  F1:General Help
         F5:Previous Values     F6:Fail-Safe Defaults     F7:Optimized Defaults
```

This section allows you to configure the system basedon the specific features of the installed chipset. The chipset manages bus speeds and access to system memory resources, such as DRAM and the external cashe.It also coordinares communications between the conventional ISA bus and the PCI bus. It must be stared that these items should never need to be altered. The default settings have been chosen because they provide the best operating conditions for your system. The only time you might consider making any changes would be if you discovered that data was being lost while using your system.

The first chipset settings deal with CPU access to dynamic random access memory (DRAM). The default timings have been carefully chosen and should only be altered if data is being lost. Such a scenario might well occur if your system had mixed speed DRAM chips installed so that greater delays may be requird to preserve the integrity of the data held in the slower memory chips.

SDRAM CAS latency Time
When synchronous DRAM is installed, the number of clock cycles of CAS latency depends on the DRAM timing.
The choice: 2, 3.

35

SDRAM Cycle Time Tras/Trc
Select the number of SCLKs for an access cycle.
The choice: 5/7, 6/8.

SDRAM RAS-to-CAS Delay
SDRAM RAS to CAS Delay is an important parameter that affects SDRAM performance. If the system fails to boot up, please set this item to 3.
The Choice: 2, 3.

SDRAM RAS Precharge Time
The RAS Precharge means the timing to inactive RAS and the timing for DRSM to do precharge before next RAS can be issued. RAS is the address latch control signal of DRAM row address. The default setting is 3 clocks.
The choice: 2, 3.

System BIOS Cacheable
Select Enabled allows caching of the system BIOS ROM at F000h-FFFFFh, resulting in better system performance. However, if any program writes to this memory area, a system error may result.
The choice: Enabled, Disabled.

Video BIOS Cacheable
Select Enabled allows caching of the video BIOS, resulting in better system performance. However, if any program writes to this memory area, a system error may result
The choice: Enabled, Disabled.

Memory Hole At 15M-16M
You can reserve this area of system memory for ISA adapter ROM. When this area is reserved, it cannot be cached. The user information of peripherals that need to use this area of system memory usually discusses their memory requirements.
The choice: Enabled, Disabled.

CPU Latency Timer
The choice: Enabled, Disabled.

Delayed Transaction
The chipset has an embedded 32-bit posted write buffer to support delay transactions cycles. Select Enabled to support compliance with PCI speci-

fication version 2.1.
The choice: Enabled, Disabled.

On-Chip Video Window Size
Select the on-chip video window size for VGA drive use.
The choice: 32MB, 64MB, Disabled.

AGP Graphics Aperture Size (MB)
Select the size of the Accelerated Graphics Port (AGP) aperture. The aperture is a portion of the PCI memory address range dedicated for graphics memory address space. Host cycles that hit the aperture range are forwarded to the AGP without any translation. See www.agpforum.org for AGP information.
The choice: 32, 64.

System Memory Frequency
Select the system memory frequency for DIMM clock use.
The choice: Auto, 100, 133.

Display Cache Frequency
Select the Display Cache frequency for AIMM clock use.
The choice: 100MHz,133MHz.

CAS # Latency
Select the Display Cache (AIMM) clock periods.
The choice: 2, 3.

Paging Mode Control
Select the Display Cache (AIMM) paging mode control.
The choice: Close, Open.

RAS-to-CAS Override
Select the display cache (AIMM) clock periods control.
The choice: by CAS# LT, Override(2).

This item control RAS# active to Protegra, and refresh to RAS# active delay (in Display Cache AIMM clocks).
The choice: Fast, Slow.

RAS# Timing
This item controls RAS# (in Display Cache AIMM clocks).
The choice: Fast, Slow.

3-6 Integraed Peripherals
OnChip Primary/Secondary PCI IDE
The integrated peripheral controller contains an IDE interface with support
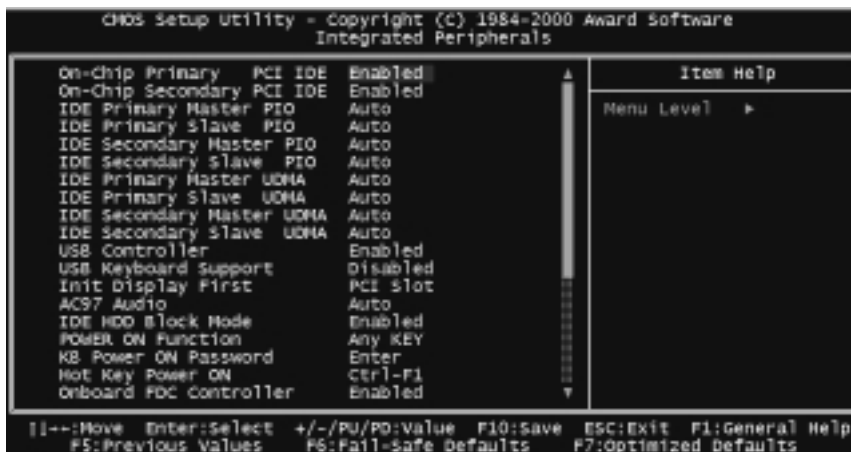
for two IDE channels. Select Enabled to activate ech channal separately.
The choice: Enabled, Disabled.

IDE Primary/Secondary Master/Slave PIO
The four IDE PIO (Programmed Input/Output) fields let you set a PIO mode
(0-4) for each of the four IDE devices that the onboard IDE interface supports.
Modes 0 through 4 provide successively increased performance. In Auto
mode, the system automatically determines the best mode for each device.
The choice: AUTO, Mode 0-Mode 4.
IDE Primary/Secondary Master/Slave UDMA
Ultra DMA/33 implementation is possible only if your IDE hard drive sup-
ports it and the operating environment includes a DMA driver (Windows 95
OSR2 or a third-party IDE bus master driver). If your hard drive and your
system software both support Ultra DMA/33, select Auto to enable BIOS
support.
The choice: Auto, Disabled.

USB Controller
Select Enabled if your system contains a Universal Serial Bus (USB) controller and you have USB peripherals.
The choice: Enabled, Disabled.

USB Keyboard Support
Select Enabled if your system contains a Universal Serial Bus (USB) controller and you have a USB Keyboard.
The choice: Enabled, Disabled.

Init Display First
This item allows you to decide to active PCI Slot or on-chip VGA first
The choice: PCI Slot, Onboard..

AC97 Audio
This item allows you to decide to enable/disable the 815 chipset family to support AC97 Audio.
The choice: Auto, Disabled.

IDE HDD Block Mode
Block mode is also called block transfer, multiple commands, or multiple sector read/write. Ifyour IDE hard drive supports block mode (most new drives do), select Enabled for automatic detection of the optimal number of block read/writes per sector the drive can support.
The choice: Enabled, Disabled.

POWER ON Function
This item is used to select Wake on Keyboard/Mouse mode.
Any Key: This function allows you wake up the system by clicking any key.
Button Only: Disable Wake on KB/MS function. You can boot up your system by power button only.
Keyboard 98:If selecting this option, you can boot up the system by power button and the wake? Key on Keyboard 98.
Password: Disable the function of power button and let the system can only be powered on through the preset keys (like a password).
Hot Key: If selecting this option, you also need to specify the hot key from Keyboard Power On ITEM.
Mouse move:This function allows you wake up the system by move left mouse button twice successively.

Mouse Click: This function allows you wake up the system by clicking mouse button twice successively.

The choice: Keyboard 98, Password, Hot KEY, Mouse Move, Mouse Click, Any KEY, BUTTON ONLY.

KB Power ON Password
You can specify 1-5 keys as a password.
The choice: Enter.

Hot Key Power ON
If you select Hot Key option in power On Function Item, you need to specify a hot key here.
The choice: Ctrl-F1-Ctrl-F12

Onboard FDC Controller
Select enabled if your system has a floppy disk drive (FDC) installed on the system board and you wish to use it. If you install and-in FDC or the system has no floppy drive, select Disabled in this field.
The choice: Enabled, Disabled.

Onboard Serial Port 1/Port 2
Select an address and corresponding interrupt for the first and second serial ports.
The Choice: 3F8/IRQ4, 2F8/IRQ3, 3E8/IRQ4, 2E8/IRQ3, Disabled, Auto.

UART Mode Select
This item is configurable only if the "Onboard UART 2" is enabled. This allows you to specify the mode of serial port 2.

ASKIR -Select this setting if you installed an Infrared module via IrDA connector (refer to section 2.3 "Connectors"). This ASKIR setting allows infrared serial communication at a maximum baud rate of 56K baud.

HPSIR -Select this setting if you installed an Infrared module in your system via IrDA connector (refer to section 2.3 "Connectors"). The HPSIR setting allows infrared serial communication at a maximum baud rate of 115K baud.

FIR -   Select this setting if you installed an Infrared module via IrDA connector (refer to section 2.3 "Connectors"). This FIR (Fast IR) setting allows infrared serial communication at a maximum baud rate of 4M baud.

Normal -Sets serial port 2 to operate in normal mode. This is the default
　　　　setting.
The choice: Normal, SCR, IrDA, ASKIR.

UR2 Duplex Mode
This item is uaed to select UR2 Duplex Mode.
The choice: Half, Full.

Onboard Parallel Port
This item controls the onboard parallel poat address and interrupt.
The choice: 378H/IRQ7, 278H/IRQ5, 3BCH/IRQ7, Disabled.

Parallel Port Mode
This item controls the onboard parallel port mode. The mode options are
SPP (Standard and Bidirection Parallel Port), EPP (Enhanced Parallel Port)
and ECP (Extended Parallel Port). SPP is the IBM AT and PS/2 compatible
mode. EPP enhances the parallel port throughput by directly writing/reading
data to/from parallel port without latch. ECP supports DMA and RLE (Run
Length Encoded) compression and decompression.
The choices : SPP, EPP, ECP, ECP+EPP.

ECP Mode Use DMA
This item lets you set the DMA channel of ECP mode.
The choices : 1, 3.

PWRON After PWR Fail
A traditional ATX system should remain at power off stage when AC power
resumes from power failure. This design is inconvenient for a network server
or workstation, without an UPS, that needs to keep power-on. This item is
used to solove this problem. Selecting on lets the system can automatically
power-on after AC power resumes;in the other hand, the system will power-
on or power-off based on the original state.
The choice: off, on, Former-sts.

Game Port Address
This item is used to assign an address for the Game port.
The choice: Disabled, 201, 209.

Midi Port Address
This item is used to assign an address for the MIDI port.
The choice: 330, 300, Disabled.

Midi Port IRQ
This item is used to assign an IRQ for the MIDI port.
The choice: 10, 5.

3-7 Power Management Setup

The Power Management Setup allows you to configure you system to most effectively save energy while operating in a manner consistent with your own style of computer use.

```
          CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
                              Power Management Setup

   ACPI Function                 Enabled          ▲          Item Help
   ACPI Suspend Type             S1(POS)
   Power Management              User Define              Menu Level   ►
   Video Off Method              DPMS
   Video Off In Suspend          Yes
   Suspend Type                  Stop Grant
   MODEM Use IRQ                 3
   Suspend Mode                  Disabled
   HDD Power Down                Disabled
   Soft-Off by PWR-BTTN          Instant-Off
   Wake-Up by PCI card           Disabled
   Power On by Ring              Enabled
   Wake Up On LAN                Enabled
   USB KB Wake-Up From S3        Disabled
   Resume by Alarm               Disabled
 x  Date(of Month) Alarm         0
 x  Time(hh:mm:ss) Alarm         0    0     0

    ** Reload Global Timer Events **             ▼

 ↑↓←→:Move  Enter:Select  +/-/PU/PD:Value  F10:Save  ESC:Exit  F1:General Help
      F5:Previous Values    F6:Fail-Safe Defaults    F7:Optimized Defaults
```

ACPI function
This item allows you to enable/disable the Advanced Configuration and Power Management (ACPI).
The choice:Enabled, Disabled.

Power Management
This category allows you to select the type (or degree) of power saving and is directly related to the following modes:

1. HDD Power Down
2. Doze Mode
3. Suspend Mode

There are four selections for Power Management, three of which have fixed mode settings.

Disable (default)	No power management. Disables all four modes
Min. Power Saving	Minimum power management. Doze Mode = 1 hr. Standby Mode = 1 hr., Suspend Mode = 1 hr., and HDD Power Down = 15 min.
Max. Power Saving	Maximum power management — **ONLY AVAILABLE FOR SL CPU'S**. Doze Mode = 1 min., Standby Mode = 1 min., Suspend Mode = 1 min., and HDD Power Down = 1 min.
User Defined	Allows you to set each mode individually. When not disabled, each of the ranges are from 1 min. to 1 hr. except for HDD Power Down which ranges from 1 min. to 15 min. and disable.

Video Off Method
This determines the manner in which the monitor is blanked.

V/H SYNC+Blank	This selection will cause the system to turn off the vertical and horizontal synchronization ports and write blanks to the video buffer.
Blank Screen	This option only writes blanks to the video buffer.
DPMS	Initial display power management signaling.

Video Off In Suspend
This determines the manner in which the monitor is blanked.
The choice: Yes, No.

Suspend Type
Select the Suspend Type.
The choice: PWRON Suspend, Stop Grant.

MODEM Use IRQ
This determines the IRQ in which the MODEM can use.
The choice: 3, 4, 5, 7, 9, 10, 11, NA.

Suspend Mode
When enabled and after the set time of system inactivity, all devices except the CPU will be shut off.
The choice: Enabled, Disabled.

HDD Power Down
When enabled and after the set time of system inactivity, the hard disk drive will be powered down while all other devices remain active.
The choice: Enabled, Disabled.

Soft-Off by PWR-BTTN
Pressing the power button for more than 4 seconds forces the system to enter the Soft-Off state when the ayatem has "haug".
The choice: Instant-Off, Delay 4 Sec.

Wake-Up by PCI Card
This option lets you specify enable PCI Card Wake-up function.
The choice: Enabled, Disabled.

Power on by Ring
An input signal on the serial Ring Indicator (RI) line (in other words, an incoming call on the modem) awakens the system from a soft off state..
The choice: Enabled, Disabled.

Wake up on LAN
This option lets you enable or disable LAN Wake Up function.
The choice: Enabled, Disabled.

USB KB Wake-up From S3
This option lets you enable or disable USB KB Wake-Up function from S3.
The choice: Enabled, Disabled.

Resume by Alarm
This option lets you enable or disable the RTC Wake Up function.
The choice: Enabled, Disabled.

Date(of Month)Alarm
This item is displayed when you enable the Wake On RTC Timer option. Here you can specify what date you want to wake up the system. For Example, setting to 15 will wake up the system on the 15th day of every month.
The choice: 0-31

Time(hh: mm: ss)Alarm
This item is displayed when you enable the Wake ON RTC Timer option.
Here you can specify what time you want to wake up the system.
The choice: hh:0-23, mm:0-59, ss:0-59.

PM Events
PM events are I/O events whose occurrence can prevent the system from
entering a power saving mode or can awaken the system from such a mode.
In effect, the system remains alert for anything which occurs to a device
which is configured as Enabled, even when the system is in a power down
mode.
Primary IDE 0
Primary IDE 1
Secondary IDE 0
Secondary IDE 1
FDD, COM, LPT Port
PCI PIRQ[A-D] #

3-8 PnP/PCI Configuration Setup

This section describes configuring the PCI bus system. PCI, or Personal
Computer Interconnect, is a system which allows I/O devices to operate at
speeds nearing the speed the CPU itself uses when communicating with its
own special components. This section covers some very technical items
and it is strongly recommended that only experienced users should make
any changes to the default settings.
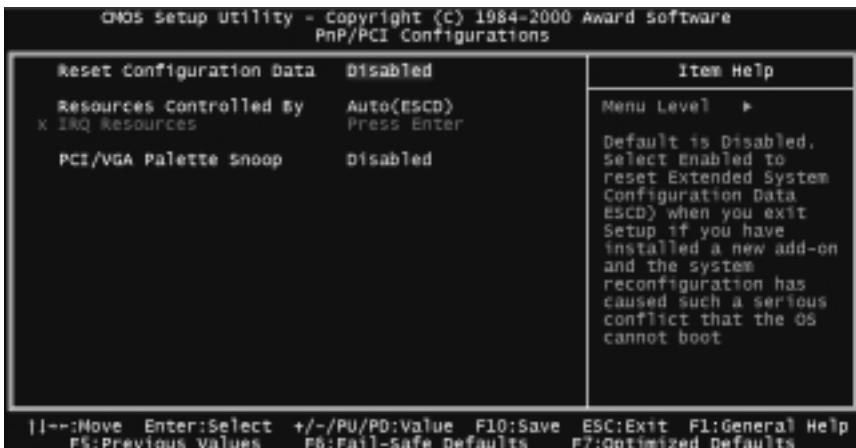
Reset Configuration Data
Normally, you leave this field Disabled. Select Enabled to reset Extended System Configuration Data (ESCD) when you exit Setup if you have installed a new add-on and the system reconfiguration has caused such a serious conflict that the operating system cannot boot.
The choice: Enabled and Disabled.

Resource Controlled by
The Award Plug and Play BIOS can automatically configure all the boot and Plug and Play-compatible devices. If you select Auto, all the interrupt request (IRQ) and DMA assignment fields disappear, as the BIOS automatically assigns them.
The choice: Auto and Manual.

IRQ Resources
When resources are controlled manually, assign each system interrupt as one of the following types, depending on the type of device using the interrupt:

IRQ3/4/5/7/9/10/11/12/14/15 Assigned to
This item allows you to determine the IRQ assigned to the ISA bus and is not available to any PCI slot. Legacy ISA for devices compliant with the original PC AT bus specifiction, PCI/ISA PnP for devices compliant with the Plug and Play standard whether designed for PCI or ISA bus architecture.
The choice: PCI Device, Reserved.

PCI/VGA Palette Snoop
Leave this field at Disabled.
Choices are Enabled, Disabled.

3-9 PC Health Status

```
         CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
                            PC Health Status
    ┌─────────────────────────────────────────┬──────────────────────┐
    │  Shutdown Temperature      60'C/140'F    │       Item Help      │
    │  VCore                                    ├──────────────────────┤
    │  Vcc 1.8V                                 │   Menu Level    ▶    │
    │  Vcc 3.3V                                 │                      │
    │  Vcc 5.0V                                 │                      │
    │  Vcc 12.0V                                │                      │
    │  Vcc -12V                                 │                      │
    │  Vcc -5.0V                                │                      │
    │  Voltage Battery                          │                      │
    │  CPU Temperature                          │                      │
    │  System Temperature                       │                      │
    │  Fan 1 Speed                              │                      │
    │  Fan 2 Speed                              │                      │
    │  Fan 3 Speed                              │                      │
    │                                           │                      │
    │                                           │                      │
    ├───────────────────────────────────────────┴─────────────────────┤
    │ ↑↓→←:Move  Enter:Select  +/-/PU/PD:Value  F10:Save  ESC:Exit  F1:General Help │
    │    F5:Previous Values    F6:Fail-Safe Defaults    F7:Optimized Defaults  │
    └──────────────────────────────────────────────────────────────────┘
```
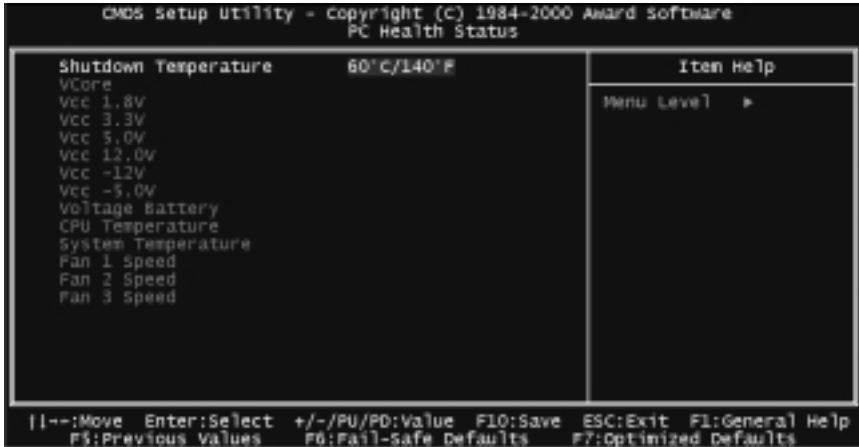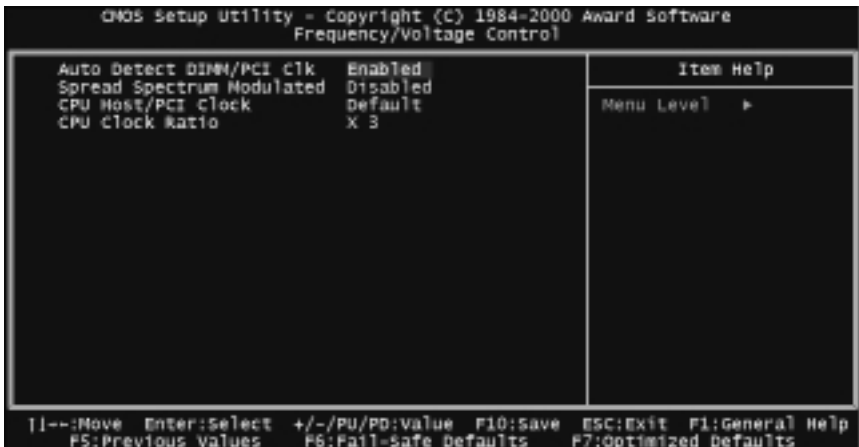
The PC Health Status provides fan rotations, Voltages, and temperature of the system. Choice "PC Health Status" from the Main Menu and a screen with a list of items appears.

3-10 Frequency control

```
         CMOS Setup Utility - Copyright (C) 1984-2000 Award Software
                          Frequency/Voltage Control
    ┌─────────────────────────────────────────┬──────────────────────┐
    │  Auto Detect DIMM/PCI Clk    Enabled     │       Item Help      │
    │  Spread Spectrum Modulated   Disabled    ├──────────────────────┤
    │  CPU Host/PCI Clock          Default     │   Menu Level    ▶    │
    │  CPU Clock Ratio             X 3         │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    │                                           │                      │
    ├───────────────────────────────────────────┴─────────────────────┤
    │ ↑↓→←:Move  Enter:Select  +/-/PU/PD:Value  F10:Save  ESC:Exit  F1:General Help │
    │    F5:Previous Values    F6:Fail-Safe Defaults    F7:Optimized Defaults  │
    └──────────────────────────────────────────────────────────────────┘
```

Auto Detect DIMM/PCI Clk
This item allow you to Enable/Disable system auto detect DIMM/PCI clock.
The choice: Enabled, Disabled.

Spread Spectrum Modulated
This item allows you to Enable/Disable the spread spectrum modulate.
The choice: Enabled, Disabled.

CPU Host/PCI Clock
This item allows you to select the CPU,DIMM and PCI Frequency.
The choice:Default,66/100/33,68/102/34,75/112/137,100/100/33,103/103/34,
124/124/41,133/133/44,140/140/46,150/150/50,133/100/33,140/105/35,150/
112/37 MHz.

CPU Clock Ratio
This item allows you to select The CPU ratio.
The choice:3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8.

3-11 Defaults Menu

Selecting "Defaults" from the main menu shows you two options which are
described below

Load Fail-Safe Defaults
When you press <Enter> on this item you get a confirmation dialog box with
a message similar to:

Load Fail-Safe Defaults (Y/N) ? N

Pressing 'Y' loads the BIOS default values for the most stable, minimal-
performance system operations.

Load Optimized Defaults
When you press <Enter> on this item you get a confirmation dialog box
with a message similar to:

Load Optimized Defaults (Y/N) ? N

Pressing 'Y' loads the default values that are factory settings for optimal
performance system operations.

3-12 Password Setting

Set supervisor/ user password
You can set either supervisor or user password, or both of then. The differ-
ences between are:

supervisor password: can enter and change the options of the setup
menus.

user password: just can only enter but do not have the right to
change the options of the setup menus. When you
select this function, the following message will ap-
pear at the center of the screen to assist you in
creating a password.

ENTER PASSWORD:

Type the password, up to eight characters in length, and press <Enter>.
The password typed now will clear any previously entered password from
CMOS memory. 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 a password, just press <Enter> when you are prompted to enter
the password. A message will confirm the password will be disabled. Once
the password is disabled, the system will boot and you can enter Setup
freely.

PASSWORD DISABLED.

When a password has been enabled, you will be prompted to enter it every
time you try to enter Setup. This prevents an unauthorized person from
changing any part of your system configuration.

Additionally, when a password is enabled, you can also require the BIOS
to request a password every time your system is rebooted. This would
prevent unauthorized use of your computer.

You determine when the password is required within the BIOS Features
Setup Menu and its Security option (see Section 3). If the Security option
is set to "System", the password will be required both at boot and at entry
to Setup. If set to "Setup", prompting only occurs when trying to enter
Setup.

3-13 Exit Selecting

Save & Exit Setup
Pressing <Enter> on this item asks for confirmation:

Save to CMOS and EXIT (Y/N)? Y

Pressing "Y" stores the selections made in the menus in CMOS - a special section of memory that stays on after you turn your system off. The next time you boot your computer, the BIOS configures your system according to the Setup selections stored in CMOS. After saving the values the system is restarted again.

EXIT WITHOUT SAVING
Pressing <Enter> on this item asks for confirmation:
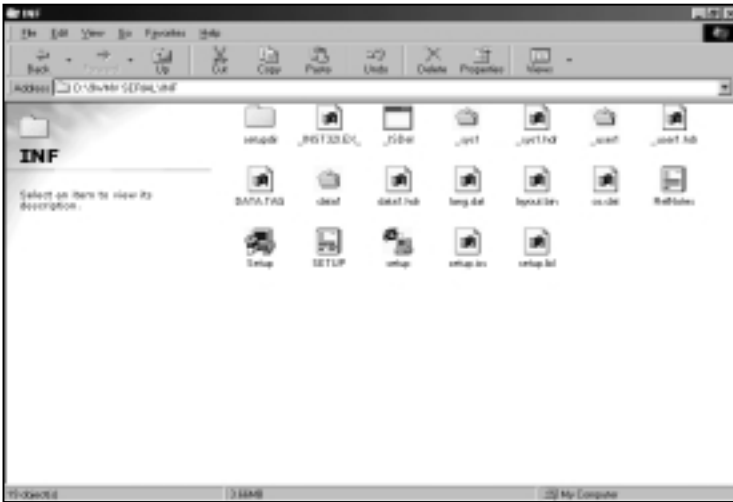
Quit without saving (Y/N)? Y

This allows you to exit Setup without storing in CMOS any change. The previous selections remain in effect. This exits the Setup utility and restarts your computer.

●Chapter ❹ Software Driver Install

4-1 UPDATED PRODUCT INFORMATION
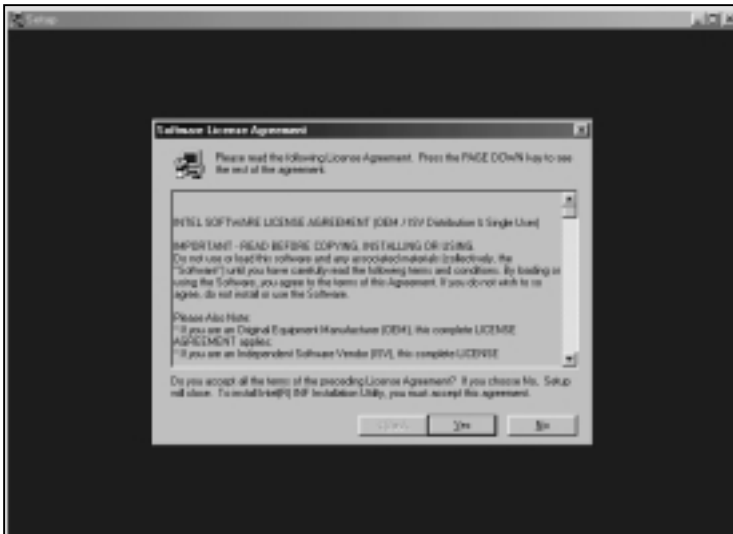
1. Enter the INF subdirectory and double-click SETUP.EXE.
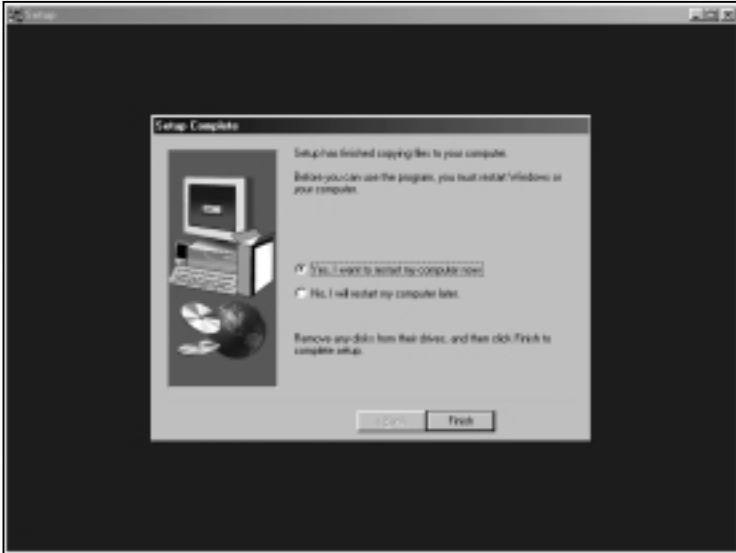

2. Click "Next" at the Welcome screen.

3.Read the license agreement and click "Yes" to continue.

4.Read readme.txt information and click "NEXT" to continue

5.The driver files will now be installed. When finished installing, choose the "Yes" to reboot option and click "Finish" to restart your computer. The driver should now be loaded.
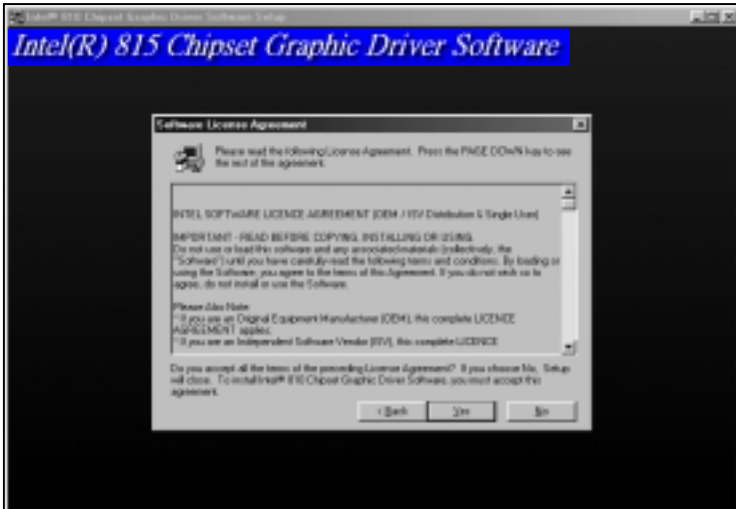
4-2 Install Graphics Driver

1.Enter the graphics subdirectory and double-click SETUP.EXE.


2.Click "Next" at the Welcome screen.

3.Read the license agreement and click "Yes" to continue.

4.This screen indicates the directory where the End User Diagnostic Utility files will be stored. NOTE: the graphics driver is not installed here (it is installed in the appropriate Windows system directories), just the EUD utility files. If you wish to change the directory where the EUD will be stored, click "Browse" and change the directory. Click "Next" to continue.

5.The driver files will now be installed. When finished installing, choose the "Yes" to reboot option and click "Finish" to restart your computer. The driver should now be loaded. To determine if the driver has been loaded correctly, refer to the "Verifying Installation" section, below.
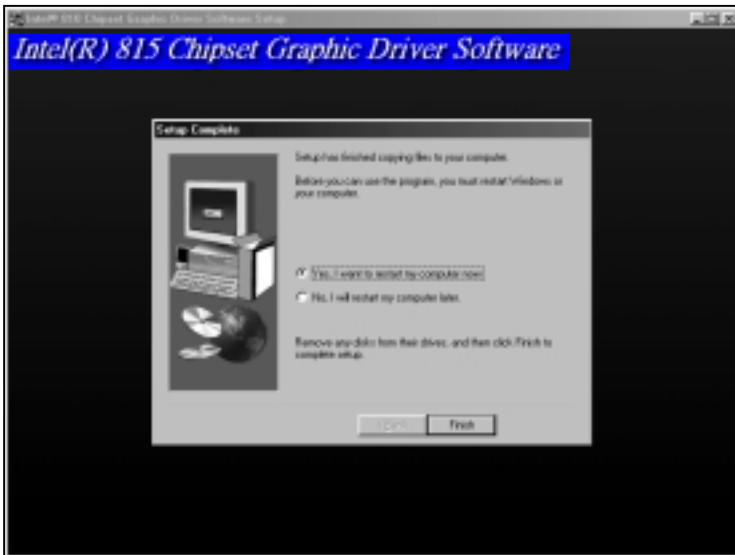
4-3 Install Audio Driver

1.To remove an existing driver/application and install with the latest Driver/
application, please run SETUP.EXE file (inlcuded in the " Win98WDM
subdirectory") ,double-click SETUP.EXE.
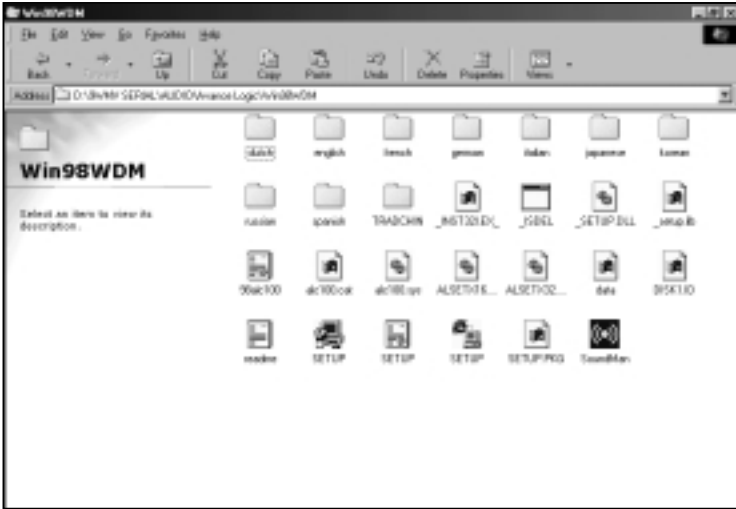
2.Choose Language and Click "Next" to continue.
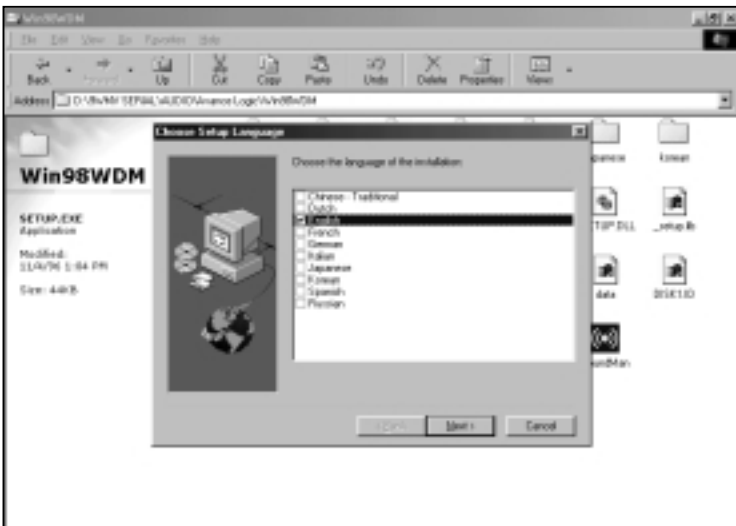
3.Click "Next" at the Welcome screen.

4.In selecting a setup type, please choose "Remove and Install Software.." and click on" Next ". When asked with " Do you want to install the bundled application?" Select "Yes, I do." to install ALSRACK Player or "No, I don't. " if not. Click on "Next" and the program will install both the driver and application automatically.

4-4 ALC100 ALSRACK Application

1. Structure and components:
The ALSRACK consists of a MIXER control panel, MIDI panel, WAVE panel, and CD panel.

1.1 To enable or disable a panel:
Clicking the mouse button on the MIDI, WAVE, or CD in MIXER control panel will cause the corresponding panel to disappear, another click will cause the corresponding panel to re-appear.

1.2 To change a channel:
Click channel LEFT or RIGHT button to change to the channel you want.

1.3 To activate volume and balance control:
Change to the channel you want (see 1.2), then click up or down arrow buttons to change the volume, or click balance LEFT or RIGHT arrow buttons to change balance.

1.4 To mute system:
Change to the channel you want, then click MUTE check mark to disable sound,click again to re-enable sound.

2.   MIDI panel

2.1 To open or close a MIDI file:
Click the button of the MIDI sign on the MIDI panel, choose OPEN to open a MIDI file, or choose CLOSE to close a file.

2.2 Auto repeat and show information:
Click the button of the MIDI sign on MIDI panel. Clicking on AUTO RE-PEAT or SHOW INFORMATION will enable or disable the selection. When AUTO REPEAT is selected, the MIDI file will be played again when it reaches the end.
When SHOW INFORMATION is selected, the MIDI window will open and the information from the MIDI file will appear on the MIDI window. When a MIDI file is opened, you can also click the MIDI window to show the information of that file.

2.3 Other operations:
When a MIDI file is opened, you can click PLAY to play it, or click PAUSE, STOP, FF or RW to manipulate the selection. You can also use the volume control buttons on the MIDI panel to control the volume directly.

3.   WAVE panel

3.1 Select TAPE I or TAPE II to playback:
There are two TAPE boxes on the WAVE panel. TAPE I can only play wave files. TAPE II can play and record wave files. There is one set of control buttons on the right of WAVE panel. When Tape I is selected,the control buttons will take effect for TAPE I. When Tape II is selected,the control buttons will work for TAPE II. Click the button TAPEI/TAPEII to select between TAPEI or TAPEII, or push the button TAPEI PLAYBACK on TAPE I box to select TAPE I, while pushing the button TAPEII REC/PLAY on TAPE II box to select TAPEII.

Note: When you want to playback a wave file, you need to select TAPE I/TAPE II first.

3.2 Open a wave file to play:
Push the OPEN button, select OPEN on the menu, select a wave file to play. When the wave file is opened, the TAPE containing the file is automatically selected, just push the PLAY button to play it.

3.3 Record a wave file:
Push the button REC.INPUT to select the input media (Line in, MIDI,Audio CD, or MIC), then push the the button OPEN on TAPE II and select NEW to create a new wave file. The TAPEII indicator will be red to show it is waiting to record. Play the source media, and push recording button on TAPEII to begin recording. When finished recording, push the record button (now it is
a red square) to stop. After finished, save the file as the name you specified.

3.4 Full-duplex:
For sound card supporting full-duplex, TAPEI and TAPEII can work at the same time. This means while TAPEI is playing, TAPEII can record, or while TAPEII is recording, TAPEI can play.
When using full-duplex, the control buttons work like this: Playback button and stop button only take effect for TAPEI, record button works only for TAPEII. Push record button once to begin recording, and push it again to stop recording.

3.5 Synchronous recording (record and play simultaneously):
After selecting an INPUT media and new wave file for recording, push button SYNC.REC to begin a synchronous recording. The mixer will automatically play the source file and begin recording at the same time.

4.   CD

4.1 EDIT and Program:
Push EDIT to select which tracks (selections on the CD) to play and add it to the Playlist. Then click the Program button to play the selected tracks.

4.2 Random play:
The Random button plays tracks in a random order.

4.3 Repeat:
To repeat one track of a CD, select the track and push the repeat button one time.
A single repeat signal will appear in the CD player window.
To repeat the full CD, push the repeat button 2 times.
A full repeat signal will appear in the CD player windows.

● Chapter ❺

Anti-Virus software installation

5-1 Anti-Virus software installation

Put CD title driver into CD ROM, then choose "Anti-Virus software" on the main menu, follow each instruction on the screen as the followings.

SuperVB V2.0 Setup

please enter your name and company name in the following fields

user name: OOH

company name: FA Corp.

< back   continue >   cancel

SuperVB V2.0 Setup

SuperVB V2.0 will be installed to the following directory.

Press continue button, if SuperVB V2.0 will be installed to the directory below.

Press browse button, if SuperVB V2.0 will be installed to other directory.

Press cancel to end the installation program.

target directory

X:\Program Folder\SuperVB   browse

< back   continue >   cancel

SuperVB V2.0 Setup

Select the category you want, then press continue button.

Press back button to re-select the target directory.

Press cancel button to end the installation program.

○ Typical   Install all the programs and setup monitoring status according to system default value.

○ Compact   Only install the Windows version program, and setup monitoring status according to system default value.

○ Custom   User can select items to install and setup according to his requirements.

< back   Continue >   cancel