



SecurityEasy Setup

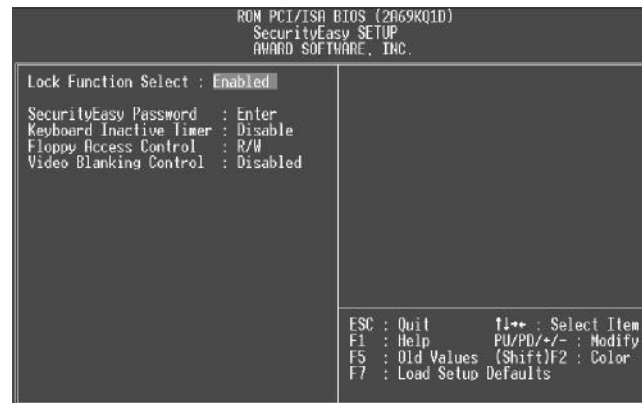


Figure-10 SecurityEasy Setup Menu

The following describes the options of each item and describes their meaning

<u>Item</u>	<u>Current Data Shown</u>	<u>Description</u>
• Lock Function Select	<i>Enable</i> <i>Disable</i>	Enables the LOCK function The system will never enter the LOCK mode.
• SecurityEasy Password	<i>Enter</i>	To type in the Administrative password is the only way to exit the LOCK mode. When you select this function. The following message "ENTER PASSWORD" appears at the center of the screen to assist you in creating a password. Type the Administrative Password up to six characters, then 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>.
• Keyboard Inactive Timer	<i>Disable</i> <i>1Min~</i> <i>1 Hour</i>	The system will not enter the LOCK mode due to the Keyboard Inactive Timer Set the continuous idle time of the keyboard before the system enters the LOCK mode.
• Floppy Access Control	<i>R/W</i> <i>Read Only</i>	The Floppy is Read/Writable. The Floppy is Read Only,



- Video Blanking Control

Enable
Disable

Video is blank in the LOCK mode.
Video is normal in the LOCK mode.

Note: See also Chapter 3



Password Setting

When this function is selected, the following message appears at the center of the screen to assist you in creating a password.

ENTER PASSWORD

Type the password, up to eight characters, 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.

To disable password, just press <Enter> when you are prompted to enter password. A message will confirm the password being disabled. Once the password is disabled, the system will boot and you can enter Setup freely.

PASSWORD DISABLED

If you have selected "**System**" at "Password Setting" of "BIOS Features Setup" menu, you will be prompted for the password every time the system is rebooted or any time you try to enter "CMOS Setup".

If you have selected "**Setup**" at "Password Setting" of "BIOS Features Setup" menu, you will be prompted for the password only when you try to enter "CMOS Setup".



IDE HDD Auto Detection

The Enhanced IDE features are included in all Award BIOS. Below is a brief description of these features.

ROM PCI/ISA BIOS (2A69KQ10) CMOS SETUP UTILITY AWARD SOFTWARE, INC.								
HARD DISKS	TYPE	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE
Primary Master:								
Select Primary Master Option (N=Skip): N								
OPTION	SIZE	CYLS	HEAD	PRECOMP	LANDZ	SECTOR	MODE	
2(Y)	541	525	32	0	1049	67	LBA	
1	541	1050	16	65535	1049	63	NORMAL	
3	541	525	32	65535	1049	63	LARG	
Note: Some OSes (like SCO-UNIX) must use "NORMAL" for installation								
ESC: Skip								

Figure-11 IDE HDD Auto Detection Menu

1. Setup Changes

With auto-detection

- BIOS setup will display all possible modes supported by the HDD including NORMAL, LBA and LARGE.
- If HDD does not support LBA modes, no "LBA" option will be shown.
- If number of physical cylinder is less than or equal to 1024, "LARGE" option may not be shown.
- Users can select their appropriate mode .

With Standard CMOS Setup

	CYLS	HEADS	PRECOMP	LAND	SECTOR	MODE
				ZONE		
Drive C: User(516MB)	1120	16	65535	1119	59	Normal
Drive D: None(203MB)	684	16	65535	685	38	-----

When HDD type is in "user" type, the "MODE" option will be available for users to select their own HDD mode.



2. HDD Modes

The Award BIOS supports 3 HDD modes: NORMAL, LBA and LARGE, also Auto detect.

NORMAL

Generic access mode in which neither the BIOS nor the IDE controller will make any transformation during accessing. The maximum number of cylinders, heads and sectors for NORMAL mode are 1024,16 and 63.

If the user sets his HDD to NORMAL mode, the maximum accessible HDD size will be 528 megabytes even though its physical size may be greater than that.

LBA (Logical Block Addressing) mode

A new HDD accessing method to overcome the 528 Megabyte bottleneck. The number of cylinders, heads and sectors shown in setup may not be the number physically contained in the HDD.

During HDD accessing, the IDE controller will transform the logical address described by sector, head and cylinder number into its own physical address inside the HDD. The maximum HDD size supported by LBA mode is 8.4 Gigabytes.

LARGE mode

Some IDE HDDs contain more than 1024 cylinder without LBA support (in some cases, users do not want LBA). The Award BIOS provides another alternative to support these kinds of HDD.

BIOS tricks DOS (or other OS) that the number of cylinders is less than 1024 by dividing it by 2. At the same time, the number of heads is multiplied by 2. A reverse transformation process will be made inside INT13h in order to access the right HDD address.

Auto detect

If using Auto detect, the BIOS will automatically detect the IDE hard disk mode and set it as one of the three modes.

3. Remark

To support LBA or LARGE mode of HDDs, there must be some softwares involved which are located in Award HDD Service Routine(INT13h).It may fail to access a HDD with LBA (LARGE) mode selected if you are running under an Operating System which replaces the whole INT 13h.

Power - On Boot

If you have made all the changes to CMOS values and the system can not boot with the CMOS values selected in Setup, restart the system by turning it OFF then ON or press the "RESET" button on the system case. You may also restart the system by simultaneously pressing < Ctrl >, < Alt > and < Del > keys.



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Chapter 5

Creative Audio Description

On-board audio system is based on the high performance Creative VIBRA™16XV CT2511 chip that integrates 3D stereo enhancement technology. It incorporates the best features of Sound Blaster™, Sound Blaster™Pro, Microsoft Windows Sound System and MPU-401 for all multimedia applications, entertainment, educational sound and business audio.

Features

Analog Audio

- Analog mixing of 7 audio sources: Digital Audio (Stereo), CD Audio (Stereo), Synthesised Music (Stereo), Line Level Audio (Stereo), Auxiliary Level Audio (Stereo), Microphone Level Audio (Mono), Mono Audio (Mono).
- Individual software programmable volume controls.

Digital Audio

- Variable sampling rates from 5KHz to 48KHz.
- Full-duplex record and playback.
- 8/16 bit stereo/mono digital audio playback and recording.
- FIFO's for digital audio playback and recording for optimum Windows operations.

Mixer

- 32-level volume control mixer

Music Synthesizer and DAC

- Creative Music synthesizer

Stereo Enhancement

- Built-in Creative Stereo Enhancement.
- Supports enhancement effect on all inputs to the mixer.
- CD audio, Line-in, Auxiliary, VOC, Midi, Mic or Mono

PnP Support

- Built-in PnP interface.
- Supports direct connect to the ISA bus.

Joystick Port

- Built-in Analog Joystick quad timer.



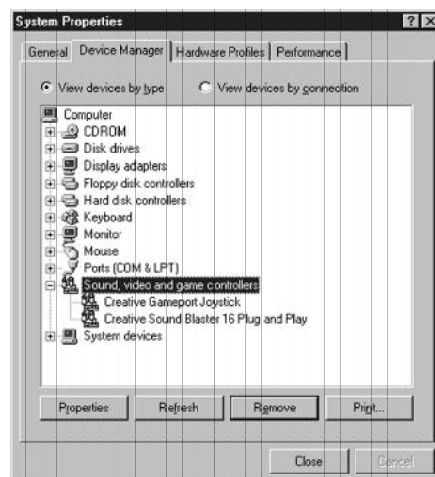
Creative Software Installation

I. Installation of Windows 95 driver

- During Window95, insert the QDI Motherboard Utility CD into the CD-ROM drive.
- Direct the path to D:\DevDr\Sound\CT2511\Win 95 and run setup.exe. The Creative software installation will guide you through the setup process.



- Restart the computer when prompted.
- After completing the installation, the sound, video and game controllers should be listed in Device Manager from System Properties as shown below.





II . Installing Driver in DOS/ Windows 3.1X

Before installing the audio card' s software from the CD-ROM, a CD-ROM drive must be installed and working properly in your system . If you have not yet installed a CD-ROM drive and associated drivers, refer to your CD-ROM drive' s documentation for instructions. Use the diskette provided with the CD-ROM to install the drivers needed by your CD-ROM drive. To install the audio card' s software from the CD-ROM:

1. Start your system.
2. Insert the QDI Motherboard Utility CD into your CD-ROM drive.
3. At the DOS prompt, change to the drive containing your CD-ROM. For example, type D:
4. Change to the directory D:\DevDrv\Sound\CT2511\Win31
5. Type **INSTALL** then press <Enter>.
6. Follow the instructions presented on the screen to complete the installation.

Note: The installation will not work if installed from the Windows DOS prompt.

III. Installation of Windows NT 4.0 Driver

Installing Audio Drivers in Windows NT4.0

1. Installing PNPISA.INF

- In Windows NT4.0, insert the Windows NT 4.0 CD-ROM into the CD-ROM drive.
- Locate the file PNPISA.INF in the CD directory \DRVLIB\PNPISA\X86 .
- If this file can not be located, click Options on the View menu of Windows NT Explorer, select the Show All Files option and clear the Hide Extensions For Known File Types check box, then click the OK button.
- The file PNPISA.INF will be now displayed. Right-click on this file and select Install.
- Restart your computer when prompted.

2. Installing Creative Audio Drivers

- When the system restarts, the New Hardware Found message boxes for the various devices will appear.
- If you have previously installed Windows NT 4.0 Service Pack 3, the system might prompt for the Service Pack 3 CD to install sound driver, click the cancel button.
- When prompted for the driver, click the Cancel button.
- Insert the QDI Motherboard Utility CD into the CD-ROM drive.
- Run UPDPNPNT.EXE in the directory \DevDrv\Sound\CT2511\Winnt40 .
- Click the OK button If the Sound Blaster 16 Configuration box appears with no conflicts.
- If you are prompted for the Windows NT CD-ROM to install the Joystick port enabler, insert the Windows NT4.0 CD-ROM into the drive, direct the path to \DRVLIB\AUDIO\SBPNP\386 and click the OK button.
- Restart the computer when prompted.

Please refer to the readme file in the directory

D:\DevDrv\ Sound\CT2511\ Winnt 40 for detailed information on installing Windows NT 4.0 driver.



IV. Enabling/ Disabling the Creative 3D Stereo Enhancement Effect

The Creative 3D Stereo Enhancement effect allows you to eliminate speaker crosstalk when two speakers are placed close together. The results are sounds with increased depth and breadth, thereby giving you enhanced mono and stereo output from the speakers.

The Creative 3D Stereo Enhancement effect can be enabled or disabled in DOS and Windows95.

In DOS

To enable or disable the effect in DOS:

1. At the DOS prompt, change to the directory containing your audio card' s software.
2. Type CT3DSE ON to enable the effect or CT3DSE OFF to disable the effect.

In Windows 95

To enable or disable the effect in Windows 95:

1. Click Start button in the task bar.
2. Select Settings and then Control Panel. The Control Panel group box appears.
3. Double-click the System icon. The System Properties dialog box appears.
4. Click the Device Manager tab. A list of devices found on your system appears.
5. Double-click Sound, video and game controllers. The audio card' s name appears.
6. Select your audio card and choose Properties. The audio card' s properties dialog box appears.
7. Click the Settings tab. The dialog box as shown below appears.



8. Click on the Enable/ Disable check box to enable/ diable the Creative 3D Stereo Enhancement effect.
9. Choose OK.



V. Software Wavetable Synthesis

Function

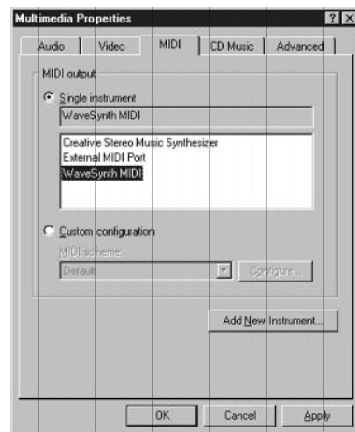
Wavetable Synthesizer uses digital samples of actual musical instruments to create the waveforms produced by those instruments. Software wavetable synthesis uses the power of the CPU to fetch and manipulate this data. While this does require the use of some processing power, it means that no additional hardware is required to obtain higher-quality sound other than what would normally be expected from a PC.

Installation Instructions (in Windows95)

- During Windows 95, insert the QDI Motherboard Utility CD into the CD-ROM drive.
- Direct the path to D:\DevDrv\Sound\CT2511\Wavesynt and run setup.exe. The Creative software installation will guide you through the setup process.
- Restart Windows when prompted.

Select the WaveSynth MIDI as your default MIDI device

- Double click the Multimedia icon in Control Panel
- Select the MIDI tab.
- In the single instrument window, highlight “ WaveSynth MIDI ” in the device list.



- Click < Apply >, then press < OK>.



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Appendix A

QDI Motherboard Utility CD-ROM

A QDI Motherboard Utility CD-ROM is supplied with each motherboard.

Contents:

1. Chipset Dispatches
Intel chipset drivers included in the directory \ChipDrv\Intel can be used for this motherboard.
2. On-board Device Drivers
The sound drivers included in the directory \DevDrv\Sound\CT2511 are for the on-board audio Creative ViBRA™ 6XV CT2511.
3. PC-cillin Anti-Virus software
Windows 95 English version is located in the directory \Pccillin\Win95.
Windows NT English version is located in the directory \Pccillin\WinNT4.0.
S/N is PNEF-9991-6558-5857-5535.
4. QDI ManageEasy V1.2
Running Setup.exe from the directory \QME to install the ManageEasy.
5. QDI Motherboard Utility
The utilities located in the directory \Utility are:
FLASH.EXE
CBLOGO.EXE
LFEXE
6. Documents for QDI Motherboard
The files included in the directory \Doc are:
Adobe Acrobat Reader v3.0 —ar32e301.exe
ManageEasy Manuals —QMEV12.PDF

Installation Guide:

- a. Installing Intel busmaster driver:
Running \ChipDrv\Intel\BMIDE\Setup.exe.
- b. Installing Intel PIIX4 Driver:
Running \ChipDrv\Intel\PIIX4\Setup.exe.
- c. Installing CT2511 driver:
Running the Setup.exe from the corresponding subdirectory under DevDrv\Sound\CT2511\ according to your OS type.

Note: NT4_CDROM_DRIVE:\Drvlib\pnppisa\x86\PNPISA.INF must be installed first! If not, the onboard sound card driver will be unable to function accordingly under Windows NT 4.0 because of the DMA channel confliction.

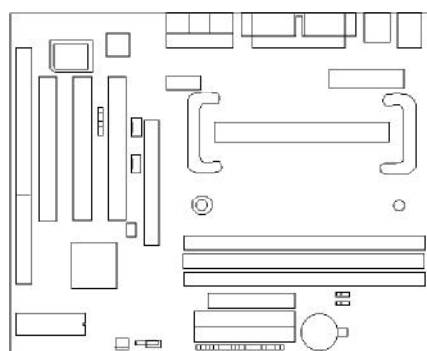
- d. Installing CT2511 wavetable
Running \DevDrv\Sound\CT2511\Wavesynt\Setup.exe; In addition, the application can be installed by running \DevDrv\Sound\CT2511\Inspire\Setup.exe.



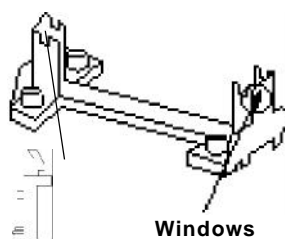
Appendix B.

Retention Mechanism & Pentium® II/ Celeron™ Processor Installation Procedures

1. Place Plastic Guide with plastic caps on mainboard, and secure all four caps.



Plastic Guide with
four nuts



Windows

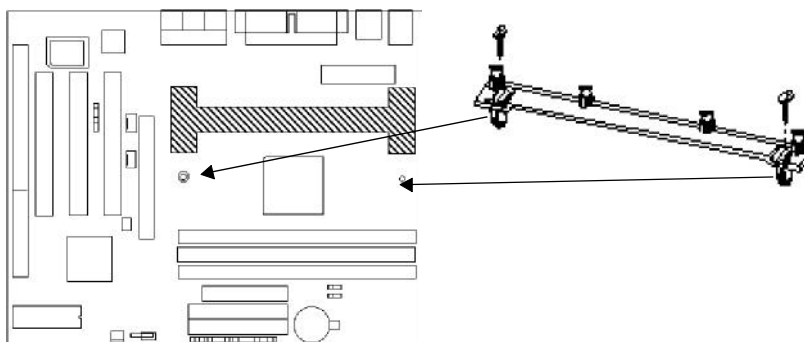
Celeron fittings

Note: 1. Please choose four caps which match the motherboard.

2. If choosing to use Celeron™ Processor, snap-on Celeron fittings onto the Plastic Guide.

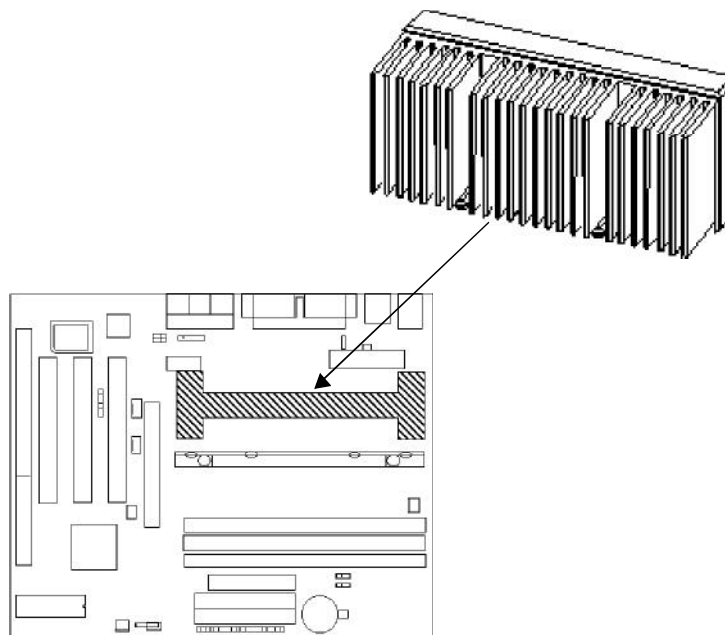
3. Please note the Plastic Guide has one orientation. If one way doesn't fit, change the direction to the other way. Do not forcefully press the Plastic Guide onto the motherboard.

2. Install HSSBASE (Heatsink Support Base) on mainboard, then insert the two plastic pins through the HSSBASE to secure it to the mainboard.

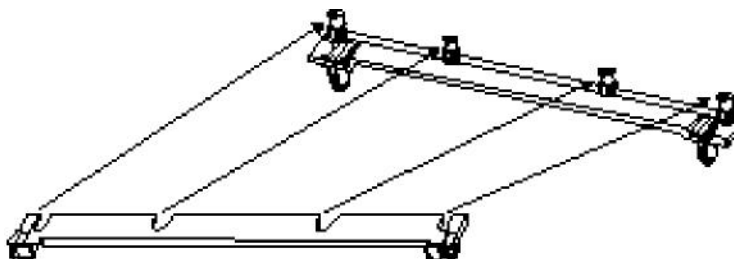




3. Insert Pentium® II Processor in Slot1.

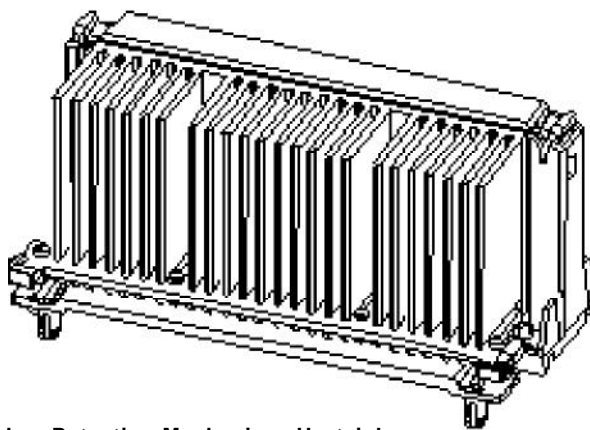


4. Clip Plastic Bar onto the HSSBASE through the fins on the processors' heatsink.





5. The Retention Mechanism installation procedure is completed as shown below.



**S.E.C Cartridge, Retention Mechanism, Heatsink support, and ATX Form Factor Heatsink Isometric View
Not To Scale**

Remark:

Please skip step3 and step5 for Boxed Pentium® II Processor and refer to relevant details of this kind of processor for your installation.