

## Chapter 4: Software

### About the Software

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The software for this mainboard is supplied on a CD-ROM. The disk has some folders that can be used by many different mainboards, for example the **UTILITY** and **PERIPHERAL** folders. Some folders can only be used by mainboards which have certain brands of chipsets, for example the **INTEL** and **VIA** folders. In addition, software that is specifically intended for one kind of mainboard is stored in a folder with the name of that board. The folder for this mainboard is stored in the **P6BXT-A+** folder.

***Note:** Never try to install software from a folder that is not specified for use with your mainboard.*

### Folders for this Mainboard

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For this board, you can install software from the following folders:

#### **Utility Folder**

You can use the software in the following sub-folders:

- ☐ **AWDFLASH:** Software to erase and install new revisions of the system BIOS
- ☐ **DIRECTX5:** Software display drivers for Microsoft's DirectX Rev. 5 specification
- ☐ **PC-CILLIN:** Anti-virus software
- ☐ **BITWARE:** Software for the built-in fax/modem
- ☐ **GAMUT:** Audio rack for built-in sound system

#### **CM18X38 Folder**

You can use the software from the following sub-folders:

- ☐ **AUDIO:** Drivers and software for the built-in audio system
- ☐ **MODEM:** Drivers and software for the built-in fax/modem

### ***Peripheral Folder***

You can use the software in the following sub-folders:

- ❑ **KEYBOARD, CD-ROM, MOUSE:** These three folders have drivers for accessories manufactured by BTC. Some system assemblers ship these accessories with complete systems based on this mainboard.

### ***P6BXT-A+ Folder***

The P6BXT-A+ folder has the following sub-folders:

- ❑ **AUDIO:** This folder is empty. Please use the audio software stored in the folder CMI8338 on the CD-ROM.
- ❑ **INTEL-IDE:** Alternative Bus mastering UltraDMA IDE drivers for systems that use Intel chipsets.
- ❑ **Modem:** The folder is empty. A readme file directs you to alternate location with the required software.
- ❑ **MONITOR:** Software for hardware monitoring for systems that have installed the GL520SM monitoring chip.
- ❑ **TRIONES-IDE:** Bus mastering UltraDMA IDE drivers for Windows 95/98/NT.

**Note:** *Some folders are subdivided into different operating systems such as DOS, Windows 95, Windows NT, and so on. Always make sure that you are installing the correct software for the operating system on your computer. Some folders are also subdivided into different language versions, such as English, French, German and so on.*

**Note:** *Before installing any software, always inspect the folder for files named README.TXT, INSTALL.TXT, or something similar. These files may contain important information that is not included in this manual.*

## Running the Support CD-ROM

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1. Place the disk in your CD-ROM drive. If you are running Windows with Autoplay enabled, the opening screen of the CD appears automatically. Click on READ ME to read the latest instructions.
2. Click on the item BROWSE THE CD TITLE. This uses Windows Explorer to show the contents of the support CD.
3. Double click on a folder to display the sub-folders.
4. Before installing the software, look for a file named README.TXT, or something similar. This file may contain important information to help you install the software correctly.
5. Some software is installed in separate folders for different operating systems, such as DOS, WIN NT, WIN95/98, and so on. Always log on to the correct folder for the kind of OS you are using.
6. To install the software, you usually execute a file named SETUP.EXE or INSTALL.EXE by double clicking on the filename.

## Utility Folder Installation Notes

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### ***Award Flash Memory Utility***

This utility lets you erase the system BIOS stored on a Flash Memory chip on the mainboard, and lets you copy an updated BIOS to the chip. Take care how you use this program. If you erase the current BIOS and fail to write a new BIOS, or write a new BIOS that is incorrect, your system will malfunction.

There are two flash memory utilities called **AWD66.EXE** and **AWD712.EXE**. For this mainboard you must use the **AWD66.EXE** utility. To use the utility, you must be in real-mode DOS (not the DOS box that is available in Windows 95/98/NT). If you are using WINDOWS 95/98, shut down your computer and select the option Restart in DOS in the shut-down dialog box. If you are running Windows NT, shut down your computer and boot from a DOS diskette temporarily in order to run the flash memory utility.

### ***DirectX5 Drivers***

The DirectX drivers are for installation only in Windows 95/98. The directX drivers need to be installed before you install an AGP driver. You may be able to get more up-to-date directX drivers from the Microsoft web site. Start the installation by clicking on the file DX5CORE.EXE.

### ***PC-Cillin Anti-Virus Utility***

Anti-virus software is provided for DOS, for WIN95, and WIN 98. Log on to the appropriate directory for your operating system. For DOS, copy all the files in the DOS folder to your hard disk drive. For Windows 95, log on to the Disk 1 folder and run SETUP. For Windows 98, run SETUP.

## **CMi8X38 Folder Installation Notes**

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### ***Audio Software***

This folder has software and drivers for the sound system that is integrated on this mainboard. Drivers are provided for Windows 95/98, Windows NT, and DOS. An MS-WORD format manual is stored in the MANUAL folder.

#### ***DOS Installation***

Log on to the DOSDRV folder and run the program INSTALL.EXE

#### ***Windows 95/98 Installation***

Please specify the path to the CD-ROM\CMi8X38\AUDIO\W95-98\DRV when your system detects the installed audio system. To install the audio applications, log on to the W95-98 folder, and then log on to the APPS folder. Run the SETUP program.

#### ***Windows NT 4.0 Installation***

1. Press the "Start" button.
2. Move the highlight to "Settings" and select "Control Panel".
3. Double click on the "Multimedia" icon.
4. Select the "Devices" tab.
5. Press the "Add..." button.
6. Select item "Unlisted or Updated Driver" in the "List of Drivers" list box.
7. Specify the path to the PCI audio NT drivers.
8. Select "C-Media CM8738 PCI Device" and press the "OK" button.
9. Choose proper I/O or the "OK" button for the default setting.
10. Restart the Windows NT system.

To install the audio applications, log on to the NT4 folder, and then log on to the APPS folder. Run the SETUP program.

## **Modem Driver and Software**

Install the Modem driver from the sub-folders for Windows 95/98 or Windows NT4.0.

### **Windows 95/98**

The modem is a plug and play device so Windows 95/98 will automatically detect the presence of your modem. When the Plug and Play wizard begins to look for modem drivers, click on the button that says **Have Disk** and then browse or type in the pathname to the CMI8x58\modem\win9x folder.

### **Windows NT 4.0**

Follow the instructions in the README file in the WINNT4 sub-folder.

## **Mainboard(P6BXT-A+) Installation Notes**

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### **Audio Software**

This folder is empty. See the instructions below for installing the audio software from the CMI8338 folder.

### **Intel Bus Master IDE Drivers**

This utility was developed for updating several Windows 95 INF files so that the latest Intel chipset components can be recognized or configured properly in the system.

**Note:** *This utility is designed for and tested with Windows 95 only.*

### **System Requirements**

This section describes the system requirements for the Windows 95 INF Update Utility for Intel Chipsets program:

11. The system must contain a supported Intel processor and chipset configuration:
12. Ensure that a mouse is connected to the system.
13. One of the following versions of Windows 95 must be installed on the system prior to running utility program.
  - Windows 95 4.00.950 (Retail)
  - Windows 95 4.00.950b (OSR2 without USB Supplement)
  - Windows 95 4.00.950b (OSR2.1 with USB Supplement)
  - Windows 95 4.00.950c (OSR2.5 with or without USB Supplement)

To run the software execute the file SETUP.EXE.

### ***System Monitoring Utility***

This software is for use by mainboards that have the GL520SM system monitoring chip. Software is provided for Windows 95/98/NT. Open the WIN95/98 folder or the WINNT folder and then run the SETUP program.

### ***Monitor Sub-folder***

The software in this folder provides a graphical interface to the hardware monitoring feature of this mainboard. The software will run under Windows 95/98 or Windows NT4.0. Follow the installation instructions contained in the file INSTALL.TXT.

### ***Triones Bus Master IDE Drivers***

Drivers are provided for Windows 95/98, Windows NT 3.5, and Windows NT 4.0.

#### ***For Windows 95/98***

Log on to the folder and then run the SETUP program.

#### ***For Windows NT 3.5***

1. From the Program Manager, double click on "*Windows NT Setup*" in the Main group.
2. Select "*Options/Add/Remove SCSI Adapters...*" and Click on Add.
3. The "*Select SCSI Adapter Option*" dialog appears; select "*Other (Requires a disk from a hardware manufacturer)*" from the "*Adapter:*" list box.
4. Next, the "*Insert Diskette*" dialog box appears; browse to the correct folder on the support CD-ROM.
5. Next, the "*Select OEM Option*" dialog box appears; select "*PIIX/PIIX3 Bus Master EIDE/ATAPI*" and click "OK."
6. Next, the "*Select SCSI Adapter Option*" dialog box appears; click on the "*Install*" button in the dialog box. If installation is successful, the "*SCSI Adapter Setup*" dialog box reappears, and "*PIIX/PIIX3 Bus Master EIDE/ATAPI*" is listed. That means the driver is installed.
7. Reboot your system to load the driver.

#### ***For Windows NT 4.0***

1. Insert the Support Disk into the CD-ROM drive.
2. Open *My Computer*, *Control Panel*, *SCSI Adapters*, *Drivers*.

3. Select *"IDE CD-ROM (ATAPI 1.2)/Dual-channel PCI IDE Controller"* then click *"Remove"* to remove it. Click *"Add..."* then *"Have Disk..."*.
4. Browse to the appropriate folder on the CD-ROM:, then click *"OK"*.
5. Select *"PIIX Bus Master EIDE/ATAPI"*, then click *"OK"*.
6. Click *"Continue"*. Click *"Yes"* to restart your computer to use the bus master driver.