Chapter 4: Software

About the Software

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 software for this mainboard is stored in the **P6BAT-Me** folder.

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

Folders for this Mainboard

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 the built-in sound system

CMI8X38 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.

VIA Folder

- **IDE:** This folder has bus mastering Ultra DMS drivers for IDE devices
- **IRQ:** This folder has PCI IRQ miniport drivers.
- **REGISTRY:** This folder has patches for installation in the Windows registry to enhance Windows support for the VIA chipset installed in this system
- **USB_UPDATE:** This folder updates the Windows 98 USB ports driver.
- **VxD:** This folder cannot be used with this mainboard. It contains AGP graphics drivers for a different chipset than the one used in this system.

GL520SM Folder

- **Win9x:** This folder has hardware monitoring software for Windows 95/98
- **WinNT:** This folder has hardware monitoring software for Windows NT ver. 4.0

P6BAT-Me Folder

- **AUDIO, MODEM, MONITOR:** These folders are empty. A readme file directs you to an alternate location with the required software.

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

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

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

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 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.

VIA Folder Installation Notes

IDE

This folder has bus mastering Ultra DMA drivers for IDE devices. Drivers are available for Windows 95/98 and Windows NT 4.0 To begin the installation, run the SETUP program and then follow the screen prompts.

IRQ

This folder has PCI IRQ miniport drivers.

For Windows 95
Run "setup" to install VIA PCI IRQ Routing Miniport Driver.

Windows 98
Before installing Win98.

1. In the setup utility, enable "OnChip USB" in BIOS Chipset Features setup menu.
2. In the setup utility, enable "Assign IRQ for USB" in PNP/PCP Configuration Setup menu.
3. After Installing Win98 run "setup" to install VIA PCI IRQ Routing Miniport Driver.

USB_Update

This folder updates the USB driver in Windows 98. Run the file SETUP.EXE to begin the installation of the updated driver.

Registry

The Registry folder has updated information for insertion in the Windows 95/98 registry that outline to the operating system how the chipset components should be configured. This is needed for proper functionality of the following features:

- Core PCI and ISAPNP Services
- AGP Support
- IDE/ATA33/ATA66 Storage Support
- USB Support
- Identification of Intel Chipset Components in Device Manager

To install the files, run SETUP.EXE.

GL520SM Folder Installation Notes

This folder has system management monitoring software stored in one Win9x for Windows 95/98, and stored in WinNT for Windows NT4.0. To install the software, log on the to the correct sub-directory for your operating system and then run the files named SETUP.EXE. Follow the screen prompts to complete the installation.

Mainboard (P6BAT-Me) Installation Notes

All of the sub-folders in this folder are empty, with a short README file giving directions to alternate folders for the appropriate software.