

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 folder for this mainboard is stored in the **P6BAP-A+** 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 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.

VIA Folder

The setup program supports to register VIA chipset's function in Windows 95/98.

- ☐ **IDE :** IDE Bus master drivers for WIN95/98/NT
- ☐ **IRQ:** This driver is for Windows 95/98. This driver solves some issues regarding the IRQ assignment of PCI Devices.
- ☐ **Registry:** This driver can register VIA chipset's function.
- ☐ **USB_UPDATE:** This driver updates Windows 95 to support USB.
- ☐ **VxD:** The VxD driver provides support for an AGP graphics adapter.

P6BAP-A+ Folder

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

- ☐ **AUDIO, MODEM:** These folders are empty. A readme file directs you to alternate location with the required software.
- ☐ **MONITOR :** Hardware monitoring software for Windows 95/98, and Windows NT4.0/5.0

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 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.

VIA Folder Installation Notes

The setup program supports to register VIA chipset's function in Windows 95 and Windows 98.

Installation procedure:

1. Run setup and select "install VIA Chipset Functions 'Registry'", then it will automatically install this program.
2. You can see that it displays "VIA Power Management Controller" and "VIA PCI to USB Universal Host Controller"

Note: If user want to upgrade Windows 95 to Windows 95 OSR 2.1(4.00.950 B), it's necessary to remove USB from other device.

IDE Bus Master Driver

The IDE Bus Master Drivers are stored in a folder named IDE.

Windows 95/98 Installation

1. Click the Windows Start button, and then click on Run.
2. Browse to the folder IDE and select the program called SETUP.EXE.
3. Click on the Install button on the setup screen.
4. Follow the instructions on the screen to complete the installation of the Bus Mastering IDE drivers.

Windows NT Installation

1. Carry out the installation instructions for Windows 95/98 steps 1 to 4.

2. In the Control Panel, select the icon SCSI adapters.
3. Select the Add button on the drivers sheet.
4. Select the item "VIA Bus Master PCI IDE Driver" and click OK.
5. Reboot the system.

Installing the IRQ Routing Driver

This driver is for Windows 95/98. This driver solves some issues regarding the IRQ assignment of PCI devices.

Windows 95 Installation

1. Click the Windows Start button, and then click on Run.
2. Browse to the correct folder and select the program called SETUP.EXE.
3. Follow the instructions on the screen to complete the installation.

Windows 98 Installation

1. In the Integrated Peripherals page of the system setup utility, enable the item OnChip USB.
2. In the PNP/PCI Configuration page of the system setup utility, enable the item Assign IRQ for USB.
3. Restart the system and continue with steps 1, 2, and 3 of the Windows 95 installation instructions.

VxD Drivers

The VxD driver provides support for an AGP graphics adapter. You only need to install this driver if you are running Windows 95, and you have installed the mainboard with an AGP graphics adapter. The VIA VxD driver is for use in Windows 95 version OSR 2.1 (4.00.950 B) or later.

Windows 95 Installation

You need the following files installed on your system before beginning the installation:

1. Get the file "USBSUPP.EXE" from Microsoft, which includes the USB supplement and a new memory manager (VMM32.VxD) needed for the AGP DIME (Direct Memory Execute) feature.
2. Get DirectX 5.0 from Microsoft. DirectX 5.0 is the first DirectX version that supports AGP's DIME.
3. Get AGP Master (i.e., AGP VGA) Driver from the vendor of your AGP graphics adapter.

4. Get "VIAGART.VXD", a virtual device manager which usually will be installed in the following installation procedure of the Windows 95 card driver.

Installation Instructions

1. Click the Windows Start button, and then click on Run.
2. Browse to the correct folder and select the program called SETUP.EXE.

Follow the instructions on the screen to complete the installation.

Mainboard (P6BAP-A+) Installation Notes

Most of the sub-folders in this folder are empty, with a short README file giving directions to alternate folders for the appropriate software. Two folders contain software that you can install.

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.