Creative Software Installation

I. Installation of Windows 95 driver

- Under Window95, insert the QDI Motherboard Utility CD into the CD-ROM drive.
- Direct the path to D:\ DevDrv\ 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 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\i386 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 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/ disable 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)

- Under 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 " from 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. The contents used for this motherboard are:

1. Chipset Dispatches:
   Intel Chipset Drivers included in the directory \ChipDrv\Intel can be used for this motherboard.

   a. Intel PIIX4 Driver, included in directory \ChipDrv\Intel\PIIX4
   This driver is for Windows 95/OSR2 which supports the latest Intel PCI devices such as the PCI IDE hard disk controller, PCI USB device etc. It can also remove the yellow question mark in the Device Manage of Windows 95 after installation.
   Run \ChipDrv\Intel\PIIX4\Setup.exe for installation.

   b. Intel Bus Master Driver, included in directory \ChipDrv\Intel\BMIDE
   It' s Intel Bus Master Driver for Windows 95, which can enhance the capability of IDE data transaction up to Ultra DMA/33MB supported by 440BX chipset or other ultimate chipset.

   Run \ChipDrv\Intel\BMIDE\Setup.exe for installation.

2. Onboard Device Drivers:

   a. The ATI Rage IIC AGP drivers included in the directory \DevDrv\VGA\Rage2C are for the onboard VGA.
   Run \DevDrv\VGA\Rage2C\Auto.exe for installation, referring to the installation guide in Chapter 4.
   Note: If your onboard AGP is based on ATI Rage Pro, direct the path to \DevDrv\VGA\RagePro for installation, according to your OS.

   b. The sound drivers included in the directory \DevDrv\Sound\CT2511 are for the onboard audio creative CT2511.
   Find the proper driver for your OS in \DevDrv\Sound\CT2511, referring to the installation guide in Chapter 5.

3. PC-cillin Anti-Virus software:
   For Windows 95 English version, it is located in the directory \Pccillin\Win95. Run Setup.exe for installation.
   For Windows NT English version, it is located in the directory \Pccillin\WinNT4.0. Run Setup.exe for installation. S/N is PNEF-9991-6558-5857-5535.

4. QDI ManageEasy:
   Run Setup.exe from the directory \QME to install the ManageEasy. For detailed information about QDI ManageEasy, refer to the ManageEasy Manual included in the directory \Doc. Please note, hardware is a manufacturing option. Users can still use the ManageEasy application to configure the system if no monitor hardware is contained on the motherboard.

5. QDI Motherboard Utility:
   FLASH.EXE
   CBLOGO.EXE
   LF.EXE
   Refer to the online help for information on how to use these utilities.

6. Documents for QDI Motherboard:
   The files included in the directory \Doc are:
   Adobe Acrobat Reader V3.0 —ar32e301.exe
   ManageEasy Manuals —QMEV12.PDF.

Appendix B.

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

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

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 motherboard, then insert the two plastic pins through the HSSBASE securing it to the motherboard.

3. Insert Pentium® II or Celeron™ 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 Headsink Isometric View Not To Scale

Remark:

Please skip step2 and step4 for Boxed Pentium® II Processor and refer to relevant details concerning this kind of processor for your installation.

Appendix C.
Boot Logo

When you power on or reset your system, the picture shown below will appear on the screen.

If you press <**Esc**>, it switches to the booting message screen. Otherwise, it enters operating system directly. You can use '**cblogo.exe**' (included on the QDI Motherboard Utility CD) to replace it by any other logo which you prefer. Regarding the method of using **cblogo.exe** utility, please refer to it's online help. If you don't prefer the logo displayed on the screen during boot up, set the 'Show Bootup Logo' option as Disabled in the 'BIOS FEATURES SETUP' section of the BIOS

*** We reserve the right of modifying the default full-logo of QDI without further notification.**

P/N : 430-01014-301-00
Manual P6I440BX/B6 Ver 1.0

Board Layout of
P6I440BX/B6 V1.0