Chapter 7

SIGMATEL AUDIO DRIVER (OPTIONAL)

7.1 Sigmatel 9721

Sigmatel 9721 is a general-purpose 18-bit stereo, full duplex, audio codec that conforms to the analog component specification of AC'97.

7.1.1 Features

- High performance 3D technology
- Energy saving power down modes
- 18-bit full duplex stereo ADC, DACs
- AC-Link protocol compliance
- Multiple power supply options
- Pin compatible with the STAC9704/07
- *SigmaTel Surround (SS3D)* Stereo Enhancement
- EAPD – External Amplifier Power Down Control
- Multi-Codec option (Intel AC'97 rev 2.1
- Six analog line-level inputs
- 48-pin TQFP
- SNR > 95 dB through Mixer and DAC
- The STAC9723 is tested at +3.3V

7.1.2 System Requirements

This section describes system requirements for the Audio Driver installation and Usage.

Computer	Intel® Pentium® II/III or Coppermine processor or higher
Operating system	DOS 5.0 or higher, Windows® 95, Windows® 98, Windows® NT 3.51 or 4.0, or OS/2®
CD-ROM	Double Speed or Higher
Chipset	Sigmatel 9721

7.1.3   Audio Driver Setup

Insert the CD-title into your CD-ROM drive. This CD will auto-run. This will display installation for Microsoft DirectX7.0a, Creative Audio PCI Sound Drivers and Intel® chipset. Please make sure that you have finished the installation for Intel® Chipset Drivers before proceeding to install the Audio Driver. To install the audio driver, click on the button for automatic installation.

7.1.3-1 Windows® 95/98

If you start Windows® 95/98, this will automatically detect this hardware onboard "PCI Multimedia Audio Device" and "Gameport Joystick". You need to click "Next", then "Finish". Do not click on the "Cancel". The driver need these ID.

Audio Driver Installation Procedure:
Step 1: Insert the provided CD_ROM disk into the CD-ROM drive.
Step 2: Look for the CD_ROM drive, double click on the CD_ROM icon. This will show the setup screen.
Step 3: Click on "SigmaTel Sound Drivers" icon.
Step 4: This will copy the audio drivers into the hard drive.
Step 5: A message will appear stating you must restart the Windows® 95/98 system, select **yes** to restart.

Note: You must install Audio Driver before installing USB support.

7.1.3-2 Windows® NT 4.0

Audio Driver Installation Procedure:
Step 1: Click **Start** menu and select **Control Panel** from **Settings** group.
Step 2: Select **Multimedia** icon.
Step 3: Click on the **Devices** tab.
Step 4: Click **Add**.
Step 5: Double click on **Unlisted or Updated Driver** in the list.
Step 6: Insert the **CD-ROM Disk** into the CD-ROM Drive.
Step 7: When the Install from Disk dialog box appears, look for your CD-ROM drive :**Sound\Sigmatel\Driver\NT4**
Step 8: Click **OK**.
Step 9: Click **OK**.
Step 10: A message will appear stating that the drivers were succesfully installed. Click OK. You must now restart Windows® NT 4.0.