Addendum for the 7IWA-F: Audio drivers

The 7IWA-F board comes with a crystal AC'97 Audio Codec. The drivers for this Codec are on the SOYO CD that came with your motherboard. The auto run program of the CD will list a "Aureal Audio Application" in the driver list. Do not install this application, because it can not be used with your motherboard. The installation guide for the Crystal drivers follows below.

Crystal Audio Driver Installation

Installing Crystal Audio Drivers under windows 9x

1. Open Device Manager.
2. PCI Multimedia Device will have a yellow marker the first time the operating system is installed.
3. Select "Properties" on the yellow marker.
4. Select the "Driver" tab.
5. Click on "Update Driver"
6. Select the following directory: D:\driv-all\crystal\window9x\image
   and click OK. You will need the Windows Second Edition to complete the WDM installation.
7. The entry that will show up in the Sound, Video, and Game Controllers is: Crystal WDM Audio Codec.
8. A little Sound Icon appears on the Task Bar upon completing the driver installation.

Uninstalling/Re-Installing Crystal Audio Drivers

1. Open Device Manager.
2. Remove Crystal WDM Audio Codec entry in the Sound, Video, and GameControllers section. Crystal is not the owner of the game controller on this audio solution.
3. Delete Crystal INF in c:\windows\inf\other
4. Restart your PC for Plug and Play to reinitialize your system.

Known Limitations

1. Clicking the Stop button causes loud pops while playing Midi through Media Player, when Headphone control is used.
2. Playing any wave using the Dsound application causes a loud pop when the Play button is clicked.
3. After Remove/Refresh, no software wavetable audio is available after a reboot.
4. The Play and Stop button cause loud pops while playing wave through the Media player.
5. There may be some feed back noise when Microphone boost is enabled.
6. A reboot may be required to play MIDI audio after the initial installation of the driver.
7. Panning Headphone and Wave balance in the Output mixer while playing a aWave/CD/Line-in signal causes a pop.

Special Design Considerations

1. The Headphone does not mute the audio when the headphone slider is adjusted to the minimum value.
2. SW Synth slider jumps to max value, when Synth state is switched from Stop to Play or viceversa.
3. Master Volume levels are quite low when compared to Headphone volume levels.
4. Fastforward and Rewind Controls in the Media Player can not enabled.
5. When resuming from sw wavetable playback, midi is paused.
6. Digital CD Audio is recorded by loopback mux selection.
7. Mono Mix volume is low.
8. Some Dos games do not run in a Dos Box. This support is provided by the Microsoft legacy Audio emulator.

Note: The above limitations list is as provided by the codec manufacturer, SOYO will provide customers with new driver releases through the SOYO website as soon as they are released by the manufacturer.

Installing Crystal Audio Drivers for Windows NT

1. Double click the MULTIMEDIA icon in the control panel. The Multimedia Properties windows will appear. Click on the Devices tab and press the Add button.
2. Select "Unlisted or Updated Drivers" from the list of drivers in the Add window by placing the mouse pointer over it and clicking the left mouse button. Press the OK button.
3. The Install Driver dialog box will appear and request the path of the location of the drivers to be installed. Enter D:\driv-all\crystal\NT (where D: is your CDROM drive) If the installation fails, first copy all the files in the above directory to your harddisk and give that directory to NT.
4. The label "Sound Fusion(tm)" is displayed on the dialog box. Press OK to continue with the installation.
5. Windows NT will display a dialog box asking you to restart your system. Press the Restart Now button to complete the installation.

Uninstalling or Updating Crystal Audio Drivers

1. Double click on the MULTIMEDIA icon in the control panel. Select the Devices tab from the Multimedia properties window.
2. Double click on the Audio Devices entry from the Multimedia devices list. Select the driver by placing the mouse pointer over the label "Audio for Sound Fusion(tm)" and clicking the left mouse button.
3. Press the REMOVE button.
4. A question box will appear to verify your decision. Press the YES button.
5. Windows NT will display a dialog box asking you to restart your system. Press the Restart Now button to complete the Un-installation.