## EUT:Sound Card

FCC ID:JDFAUD-GW810

T. N. C. INDUSTRIAL CO., LTD

**USER'S MANUAL** 

# FEDERAL COMMUNICATIONS COMMISSION

undesired operation. cause harmful interference, and (2) this device must accept any interference received, including interference that may cause This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not

### NOTE

communications. However, there is no guarantee that interference will not occur in a particular installation If this equipment frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiated radio the user is encouraged to try to correct the interference by one or more of the following measures: does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC

- -Reorient o relocate the receiving antenna
- -Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

operate the equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to

- Full DOS Games Compatibility vis PC/PC!, DDM 255 MIPs SLIMD<sup>PA</sup> DSP Architecture(CS4614A)

- Fit Labs Approved 64-Vice Wavetable Systems with Effects (CS4614A) PretMediaty AEC (Acoustic ECHO Cancellalina) Handware Acceleration (CS4614A) PretMediaty AEC (Acoustic ECHO Cancellalina) Handware Acceleration (CS4614A) Pittly Amalia Handware Sample Rate Conversion (9044B Dynamic Range) PCI Version 2.1 Bus Master Prover Management (D0 through D3 Hot), AMP 12, and ACP1 10 Support Penu Analog Line-level Stereo Inputs for Connection From LINE IN CD, VIDEO And AUX.

### System Requirements

# IBM PC compatible system with plug-and-play BIOS or without plug-and-play BIOS

- OS with MS Windows 95, Windows 98.
  4 MB of free hard disk space for Sound Card Software VGA or Styrer VGA

  - Crystal Sound Card

### Installing the Sound Card

Installing the Sound Card Into the PC System

Before you start, make sure that Windows 95, Windows 98, windows NT4.095.0 or OS2 has been installed in your

System and is running property, Please follow the following steps carefully when tissualing your Sound card.

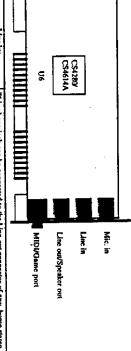
2. Remove the cover from your computer. Refer to your PC's user manual for more details. I. Turn off your computer and disconnect all power cords

3. Plug the Sound Card into any free 32-bit PCI slot of the computer. 4. Connect the ribbon cable to your CD-ROM drive sound source.

5.Put the computer cover back on and reconnect the power cords

Connecting Audio Devices

You can connect various types of audio equipment, such as speakers, headphones, CD Players.Tape decks, and so on, to the Sound Card through its back panel jacks. The following diagrams Show the connectors on the back panel.



Line in:	This phone jack can be connected to the Line-out connector of any home stereo
	set radio set CD player synthesizer etc.
Mic. in:	Microphone input
Line out/Speaker out:	This connector provides storeo 0.75W per-channel output level, for a 8 12 speaker
	Or line out signal level without power amplifier.
MIDI/Game Port:	The 15-pis female connector can be connected to any IBM PC compatible Joystick
	with a 15-pin D-shell connector.
CD Audio	Three are two sets of pins, one for Mitsumi and the other one for Sony.

\*A MIDI adapter is required to connect a MIDI instrument to the Sound Card. The MIDI adapter can be purchased from your local computer store and is connected to the

# Installing the Sound Card Software with Windows 95

# FIRST TIME INSTALLATION FOR WINDOWS 95 WITH PLUG AND PLAY BIOS SYSTEM:

Once Windows 95 is up and running, a New Hardware Found message box will appear and announce the detection of CRYSTAL plug and play Audio Driver. Select Driver from CD disk. provided by hardware detection of CRYSTAL plug and play Audio Driver. manufacturer, then Click nex provided by hardware

vindows 95, and plug-and-play add-on card like our sound

In update device driver wizard dialog box, Installation 95 Update Device Driver Wizard

Second Time For Other Locations To Selected Other Locations Icon , Then Went To Browse Icon -->Open Browse For Folder Windows To Selected CD-ROM Sound Drivers Locatio

5. Third Time For Crystal Soundfusion(TM) PCI Audio Acceleration--> Insert Disk -->OK. Show Up "Copying (980821\_1701)--> 4280 Driver ( Or 4614A Driver ) -> OK. Back To Select Other Location Window-->

Files " Selected To Browse ->Show Up Open ( Drivers Location ) -> OK ->Back To Copying Files --> OK

### FIRST TIME INSTALLATION FOR WINDOWS 95 W/O PLUG AND PLAY BIOS 6.Click RESTAR SYSTEM:

- Power up your computer and wait for Windows 95 to boot up
- Open my computer Select sound card CD driver location
- Click CD driver.

- Click 4280dry/4614dry
- Show up crystal audio driver installation then click NEXT

## nstalling the Sound Card Software with Windows 98

his wizard searches for new drive For crystal Sound Fusion (tm) PCI Accelerator to selected "next"

you can see E:\4280DRV\CWCAUDIO.INF

note:Gwindows joystick may be require windows95/98 of system files.

### Troubleshooting A. PROBLEM:

There is no sound output after the Sound Card is installed

- Check the speakers if they are connected properly to the Speaker-Out phone jack on the Sound Card
   Wilume is not turned on. Make sure that the volume is turned on under the MIXER icon in Windows.

3.There might be a conflict between the Sound Card and other add-on cards in your computer. This is usually caused by none Plug and Play legacy devices. Windows95 cannet detect these add-on cards; therefore, it cannot resolve MRQ DMA, and IVO POM Address conflicts usunamistally. On bind system configuration and check CRYSTAL, Plug and Play Audio Drive to make sure that there is no conflicts. Manual adjustments can be made by going bino the Resources of the CRYSTAL, Plug and Play Audio Drive to make sure that there is no conflicts. Manual adjustments can be made by going bino the Resources of the CRYSTAL Plug and Play Audio Drive dialog box.

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