PCI Sound Card
Genius Sound Maker Value Series
User's Manual

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FCC and CE Radiation Norm

FCC

This equipment has been tested and found to comply with limits for a Class B digital device pursuant to Part 15 of Federal Communication Commission (FCC) rules.

CE

This equipment has been tested and found to comply with the limits of the European Council Directive on the approximation of the law of the member states relating to electromagnetic compatibility (89/336/EEC) according to EN 55022 class B & EN55024.

FCC and CE Compliance Statement

These limits are designed to provide reasonable protection against frequency interface in residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed or used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connect to





CAUTION!

The Federal Communication Commission warns the user that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Overview

1.1 Features

Chipset:

- CMI8738 / PCI-6Ch from C-Media Technology

System Interface:

- 32bit PCI Bus Master, PCI 2.1 / PCI 2.2 compliant

Hardware Interface:

- New single chip 5.1 channel PCI sound audio solution
- Supports DirectSound™3D, EAX™
- Karaoke system enabled
- Supports multi-speaker output to 2 / 4 / 5.1 speakers
- Supports EAX™1.0/2.0 , Karaoke key, Echo sound effects
- High Performance dual game port (Win98SE/Me/2000/XP x86 support only)
- MPU401 compatible MIDI interface & GM (Win98SE/Me/2000/XP x86 support only)
- Complies with Microsoft® PC99 specification
- DLS-base Wavetable music synthesizer
- Fully Sound Blaster, Sound Blaster Pro compatible and Direct Sound compatible

Connector:

- Front-Out, Rear-Out, Center & LFE, Line-In, MIC-In and Game/MIDI port
- CD Audio, AUX Connector

1.2 System Requirements

- IBM compatible PC with 32-bit PCI slot.
- Microsoft® Windows® 2000/XP
  Intel® Pentium® II 366MHz CPU or above
  256MB system memory or above
  100MB available HDD space
- Microsoft® Windows® Vista x86 / Vista x64 / 7
  Intel® Pentium® 4 / 2.8GHz CPU or above
  512MB system memory or above (1GB recommended)
  1GB available HDD space
- CD-ROM drive (or DVD-ROM drive Recommended)

1.3 Package

- Plug and Play PCI sound card
- “Installation Software” CD
- User’s manual

2. Installing the Sound Card

2.1. Hardware Installation

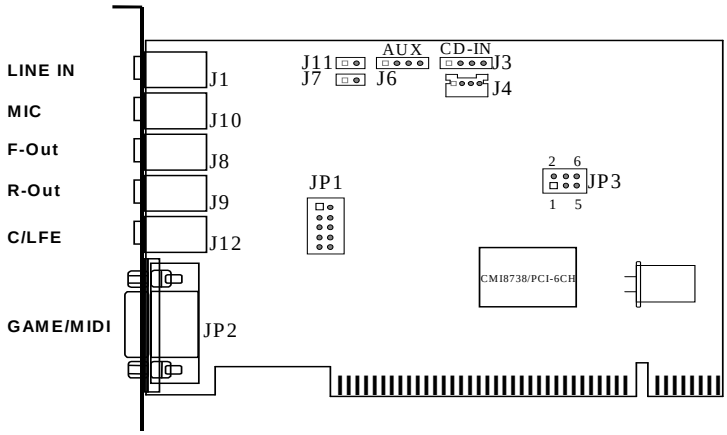
Before you start, make sure that Windows® 98/98SE, Windows® Me, Windows® 2000/XP, Windows® Vista x86/x64, Windows® 7, Windows NT® 4.0 or Linux has been installed in your system and is running properly. Follow these steps carefully when installing your sound card.

1. Turn off your computer and disconnect all power cords.
2. Remove the case from your computer. Refer to your PC's user manual for more details.
3. Plug the sound card into any free 32-bit expansion PCI slot of the computer.
4. Connect the audio cable to your CD-ROM or DVD-ROM drive.
5. Put the computer cover case on and reconnect the power cords.

Connecting Audio Devices

You can connect various types of audio equipment, such as speakers, headphones, CD player, etc., to the sound card through its back panel jacks. The following diagram shows the connectors on the back panel.

Layout of the Sound Maker Value 5.1 PCI Sound Card



INE IN	Connector for Line-in function.
MIC	Connector for Microphone-in function.
F-Out	Connector for Front sound source output, you can connect a set of speakers or a headphone.
R-Out	Connector for Rear sound source output, you can connect a set of speakers or a headphone.
∗C/LFE	Connector for Center & Subwoofer (LFE) sound source output, you can connect a set of active speakers. (Value 5.1 only)
GAME/MIDI	The 15-pin female connector can be connected to any PC compatible joystick with a 15-pin D-shell connector and MIDI instrument.
CD-IN	There are two sets of pins, one for Mitsumi standard and the other for Sony standard.

*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 connects to the MIDI/GAME port.

2.2 Driver Setup

Before you install

You must have Microsoft® Windows® before you install this PCI sound card, and ensure you don't have any other sound card device driver in your current system.

Auto Run

Auto Run for Windows® 2000 / XP / Vista / 7

1. Insert the Multimedia Software CD-ROM into your CD-ROM drive.
2. Click "Sound Maker Value 5.1" button after entering software control panel.
3. Click "Install Device Driver and Applications" button.The wizard will guide you through the installation.

If Auto Run can't be used with your computer, refer to each Windows as follows.

Installing the Sound Card Driver under Windows® 2000/XP

1. After hardware installation has been finished, power up your computer and wait for Windows® 2000 to boot up.
2. The message box will show "**Found New Hardware Wizard**" Click "**Cancel**".
3. Insert the *Multimedia Software* into your CD-ROM drive or DVD-ROM drive.
4. Click "**Start**" at Windows bottom left corner.
5. Click "**Run**".
6. Key in the drive and path for drivers/application installation program; for example, "**D:\SETUP.EXE**". (If Drive D is your CD-ROM drive or DVD-ROM drive)
7. Click "**OK**" to start the applications/driver installation procedure, and follow the on-screen instructions to finish the installation.
8. When all the drivers have been installed, restart your computer.

Installing the Sound Card Driver under Windows® Vista x86/x64/7

1. After hardware installation has been finished, power up your computer and wait for Windows® Vista/7 to boot up.
2. The message box will show "**Found New Hardware**" Click "**Cancel**".
3. Insert the *Multimedia Software* into your CD-ROM drive or DVD-ROM drive.
4. Double click "**Computer**" icon on the desktop.
5. Double click CD-ROM or DVD-ROM drive.
6. Double click "**SETUP.EXE**".
7. Select and click "**Allow**" to start the applications/driver installation procedure, and follow the on-screen instructions to finish the installation.
8. When all drivers have been installed, please restart your computer.
9. Your system will install device drivers automatically

Uninstalling the Sound card Applications & Driver for Windows® 2000/XP

1. Click "**Start**".
2. Select "**Settings**".
3. Select "**Control Panel**" and click "**Add/Remove Program**"
4. Double click "**PCI Audio Applications** " and than click "**OK**"
5. Follow the on-screen instructions to uninstall the applications
6. Return to "**Add/Remove Program**" Double click "**PCI Audio Driver**" and than click "**OK**"
7. Follow the on-screen instructions to uninstall the Audio Driver, then reboot your system

Uninstalling the Sound card Applications & Driver for Windows® Vista X86/X64/7

1. Click "**Start**".
2. Select "**Control Panel**".
3. Select "**Programs and Features**"
4. Double click "**C-Media PCI Audio Device**" and than click "**Continue**"
5. Follow the on-screen instructions to uninstall the device
6. Reboot your system

Appendix A. Hardware Information

Jp3: Center and Subwoofer setting selection (Sound Maker Value 5.1 Only)

Close	Function
(1-3) , (2-4)	C/LFE (DEF)
(3-5) , (4-6)	LFE/C