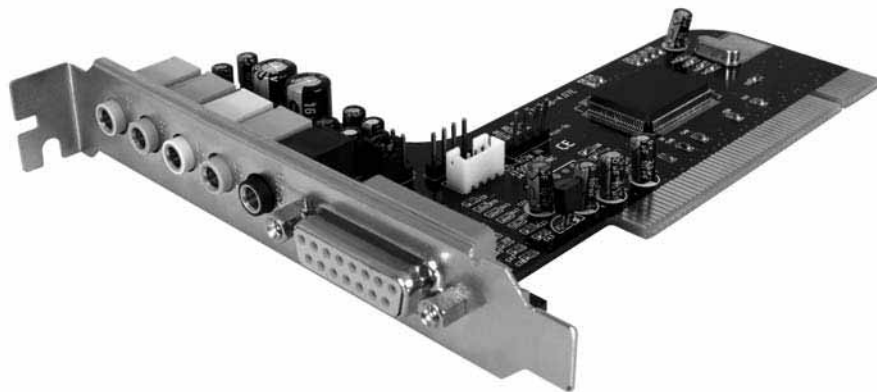


5.1 Channel PCI Sound Card

PCISOUND5CH

Instruction Manual



StarTech.com

The Professionals' Source for Hard-to-Find Computer Parts

FCC Compliance Statement

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

- Reorient or 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.

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Introduction

Thank you for purchasing a StarTech.com Sound Card. This product allows you to add sound capabilities (5.1 channel) to your computer system as well as the ability to use a microphone/other auxiliary device.

Features

- Compliant to PCI Version 2.1 Bus Master and Advanced Power Management (PPMI) specification
- Maintains clear audio and video signals for excellent performance
- Legacy Audio SBPro compatible
- True Full-Duplex playback/capture with different sampling rate up to 48KHz stereo
- Supports Full-Duplex operation for simultaneous recording and playback
- Supports EAX, Karaoke Key and Echoing
- Supports 5.1 speakers, C3DX positional audio in 6CH speaker mode

Before You Begin

System Requirements

- An available PCI slot
- Necessary cabling to connect speakers to card port
- Speakers

Contents

This package should contain:

- Sound Card (1)
- Driver CD (1)
- Instruction manual (1)

Installation

Connecting the PCI Multi Channel Sound Card to your computer motherboard:

1. Shut down all power connected to the computer, as well as all devices connected to the computer peripherally (i.e. Printers, Monitors, Scanners etc.). As an added step to ensure safe installation, unplug the power supply from the computer.
2. Remove the computer cover. For more detailed instruction on how to perform this step, please refer to the documentation that was included with your computer at the time of purchase.
3. Locate an empty PCI slot, removing the metal bracket covering the accompanying empty port/socket.
4. Position the sound card above the open PCI slot, ensuring that the card is aligned with the entire slot. Insert the card firmly into the slot, distributing force evenly across the length of the board. Once inserted, secure the card into the adjoining socket (previously covered by metal bracket), using the correct size screw (please consult documentation that accompanied purchase of computer).
5. **Note: To utilize the Audio-Out signal from a pre-existing CD-ROM drive, attach the audio cable (supplied with CD-ROM drive purchase) to the appropriate CD-ROM pins (normally designated as 'digital out'), as well as to the corresponding Sound Card pins (marked as CD-ROM IN)**
6. Replace the computer cover.
7. Connect your speakers to the appropriate speaker jacks on the sound card.
8. If unplugged, plug computer and all peripherals back in to power source. Turn your computer on.

Installing the PCI Multi Channel Sound Card drivers:

For Windows XP/2000/ME Users:

1. After restarting your computer, a message should appear indicating that Windows XP has detected a hardware change. Click the **Next** button to continue with the installation.
2. Put the CD entitled **Drivers and Utility - Installation** into your CD-ROM drive.
3. Select **Specify the location of the driver (Advanced)**, followed by the **Next** button.
4. Select **Specify a location** and click the **Browse** button to designate the location of the necessary files. Once the **Browse for Folder** window appears, select the drive designated for your CDROM drive. Open the **CMEDIA** folder, followed by **CMEDIA\CM18738-6CH**

5. Open the **WIN2K-ME** folder, followed by the **DRV** folder.
6. Click **OK**. Once Windows has located the driver, click the **Next** button. Following this, the installation is automated. Follow the Windows prompts to finish installation.

For Windows 98/95 Users:

1. Upon starting the computer, the Windows 98/95 Plug-and-Play feature will automatically detect the newly-installed sound card. Insert the **Drivers and Utility - Installation** CD into the **CDROM** drive and click on the **Next** button.
2. When the **Add New Hardware** wizard loads, allow it to search for the driver. When available, choose the **Search for the best driver for your device (Recommended)** option and click the **Next** button.
3. The wizard will prompt for the location of the sound card driver. Choose **Specify a location**, and click the **Browse** button to continue.
4. Once the **Browse for Folder** window appears, select the drive designated as your CD-ROM drive. Open the **CMEDIA** folder, followed by **:|CMEDIA|CMI8738-6CH**
5. Open the **WIN95-98** folder, followed by the **DRV** folder.
6. Click **OK**. Once the **Add New Hardware Wizard** locates the driver, click the **Next** button. Following this, the installation is automated. Follow the Windows prompts to finish installation.

For Windows NT 4.0 Users:

1. Start Windows NT and open the Control Panel.
2. Double-click on the **Multimedia** icon. From here, click on the **Devices** tab.
3. In the Devices window, click on the Add button.
4. Select **Unlisted or Update Driver**, followed by the **OK** button.
5. Insert the **Drivers and Utility - Installation** CD into your CDROM drive.
6. Click on the **Browse** button in the **Install Driver** window, then select the drive designated as your CD-ROM drive.
7. Once the contents of the CD are displayed, double-click open the **CMEDIA** folder. From here, select the driver that corresponds with this Sound Card:
|CMEDIA|CMI8738-6CH
8. Open the **NT40** folder, followed by the **DRV** folder. Click "**OK**"
9. Once you have selected the correct driver, click the **OK** button. Following this, the installation is automated. Follow the Windows prompts to finish installation.

Additional Software:

To Install Audio Rack:

1. Locate the directory that corresponds with this Sound Card:

CMEDIA/CM18738-6CH/(W95/W98/W2k/ME/NT40)/APP/

2. Double-click on **SETUP.EXE**. Installation will then be automated, follow all the prompts to complete the installation.

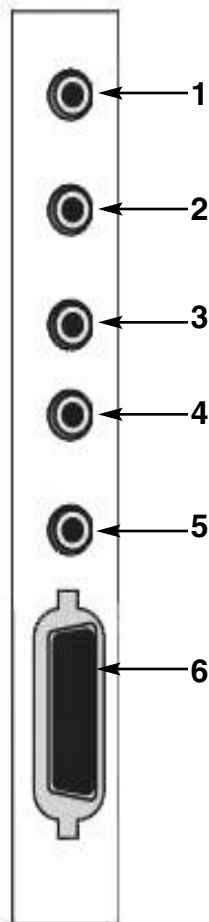
Using the Sound Card

Overview

The PCISOUND5CH has 6 ports. 3 input (to be used with microphones, musical equipment, stereo equipment), and 3 output ports for your speakers. All are 3.5mm audio jacks, with the exception of the midi/game port.

To configure speakers:

1. **LINE IN:** Connect auxiliary devices, (such as CD Players, Cassette Decks, Stereo Receivers etc.)
2. **MIC IN:** Connect a microphone
3. **F-OUT:** Connect the speakers you wish to use for your front-channel sound
4. **R-OUT:** Connect the speakers you wish to use for your rear-channel sound
5. **CEN/SUB:** Connect the center channel/sub-woofer.
6. **GAME/MIDI:** Connect a MIDI device, such as a MIDI keyboard or synthesizer. Alternatively, use a Serial joystick or other gaming device requiring a game port.



Specifications

General Specifications

Bus Type	PCI
Chipset	CMI8738/PCI 6CH-LX
Certification	FCC, CE
OS Compatibility	Windows 95/98/NT/2000/XP

Ports/Connections

Input	Port
Line In	External 3.5mm (Blue)
MIC In	External 3.5mm (Pink)
Game/MIDI	External 15-pin Midi/Game
Output	
Front Out	External 3.5mm (Green)
Rear Out	External 3.5mm (Orange)
Centre/Subwoofer	External 3.5mm (Black)

Jumper Settings

Jumper	Function
J3 & J4	CD-ROM Audio-in
J15	Center/Woofer
J6	AUX-In
J11	CDROM Digital-In
J7	PC Speaker
J22	Digital Module connector
J23	Modem Module connector
J16	Internal MIC
J19	Internal Front Speaker

Troubleshooting

If you're having difficulty using the Sound Card, try the following solutions based on the nature of the problem.

No Sound:

1. Ensure the speakers are connected to the proper Sound Card port (shaded green).
2. Ensure the speakers are turned on and functioning properly.
3. Check to see that the volume control is set properly in Windows. This can be accessed by locating the speaker icon near your system clock (typically in the bottom, right corner of your screen). Make sure the "mute" box is not checked.

Poor sound quality:

1. Ensure the speakers are connected tightly.
2. Examine the speaker cord for any frays/damage.

Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit www.startech.com for cables or other accessories that will help you get the best performance out of your new product.

MU6MF

6 ft. Stereo Extension Cable 3.5mm Male to 3.5mm Female

MU12MF

12 ft. PC Speaker Extension Cable

JXT100

6 ft. Joystick Extension Cable

CDAUDIO2

30-inch MPC2 CD-ROM Audio Cable

CDAUDIO3

24-inch MPC3 2-pin Internal Digital Audio Cable

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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Revision Date: July 15 2008 rev:b

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