

Sound Blaster PCI128

User Guide

On-line Version

Contents

	Introduction	ix
	System Requirements	ix
	Latest Information.....	ix
	Document Conventions	x
1	Installing Your Audio Card	1
	What You Need.....	1
	Installing the Audio Card.....	2
	Installing the Creative Software.....	5
	Windows 95	5
	Windows 98	9
	Windows NT	9
	Testing the Installation.....	10
	Creative Mixer	11
	Real-Time Effects.....	11
	Recording.....	11
	Microphone.....	11
	Options.....	12
2	Advanced Configurations.....	13
	Resolving Hardware Conflicts	13
	Uninstalling the Software	14
	Connecting a Joystick	15
	Connecting a MIDI Device	15

3	Troubleshooting	17
	No sound is heard from audio (music) CDs.....	17
	Joystick port is not working	17
	Determining your Windows version.....	18
	Computer hangs or restarts during installation.....	18
	Audio card is not automatically detected	19
	CD does not automatically run when you insert it in the drive.....	21
	No sound is heard from speakers.....	22
	Static sounds are heard in wave files	22

Introduction



The colored insert in this manual gives you the latest information about your audio card, and contact information for Creative Labs.

Sound Blaster PCI128 uses the latest music synthesis technology to play many notes simultaneously, creating a new dimension for musical and multimedia applications. Creative's Sound Blaster PCI128 is upgradeable with user-selectable banks for loading wave-table samples (digital instrument and sound samples).

After installing the Creative audio software, refer to the on-line *User's Guide*, located in the audio card group, and on-line Help for detailed information about the Creative Mixer and other utilities.

System Requirements

For the best results from your audio card, you need:

- IBM-compatible PC with an Intel® Pentium or AMD-K5™ Series processor rated at 133 MHz
- 16MB RAM (Random Access Memory)
- 6MB of storage space on your hard disk
- Windows® 95, Windows® 98, or Windows NT 4.0
- SVGA display card that supports 640x480 resolution and a minimum of 256 colors
- CD-ROM drive
- PCI 2.1 compliant expansion slot for the audio card
- Headphones or amplified speakers

Latest Information

The README file on the Sound Blaster PCI128 installation CD contains information and changes not available at the time of printing. Read the file before you begin.

Document Conventions

The following typographical conventions are used throughout this document:

Bold Bold face type identifies words and phrases that are to be entered exactly as shown. For example:

```
SET SOUND=C:\SB16
```

Italic Italic type identifies words and phrases that are to be replaced by you. For example:

```
DEVICE=C:\SBCD\DRV\SBIDE.SYS /D:MSCD001 /P:xxx,yy
```

In the example, you must supply a value for *xxx,yy*.

Italic in the text emphasizes or identifies a word or phrase that is being defined. In this document, it is also used to identify a button or menu item that you are to select: for example, “Select the *Play* button on the main menu.”

ALL CAPS A word in all capital letters identifies a key you are to press. For example, “Select *Yes* and press ENTER.”



The notepad icon indicates information that is of particular importance and should be considered before continuing.



Designates a caution or warning that can help you avoid situations involving risk.

Installing Your Audio Card

What You Need

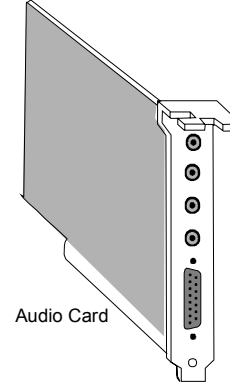
Most of the items you need for installation are included. The following illustration shows the basic components necessary for a complete installation.



Installing your audio card requires you to perform the following steps:

- Install the audio card
- Install the Creative audio software
- Test the installation.

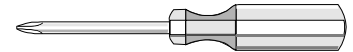
Creative
Audio
Software



Audio Card



CD Audio Cable



Phillips Screwdriver
(not included)



Refer to the colored insert for specific information about the audio card.

Installing the Audio Card



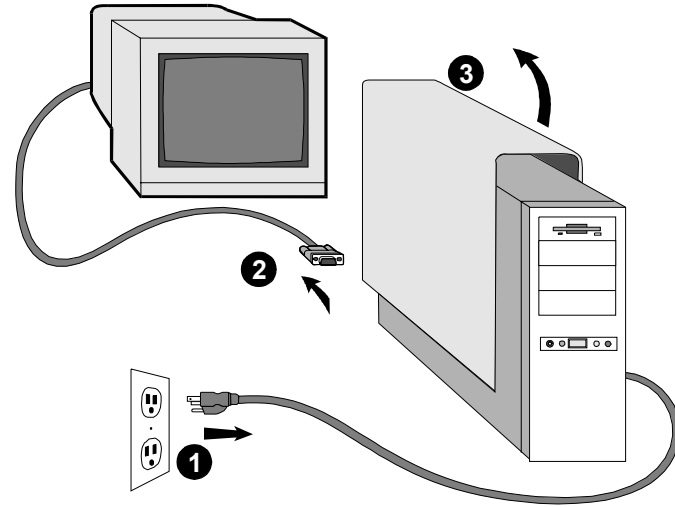
Before you remove the computer cover, touch a grounded metal surface to discharge static electricity.



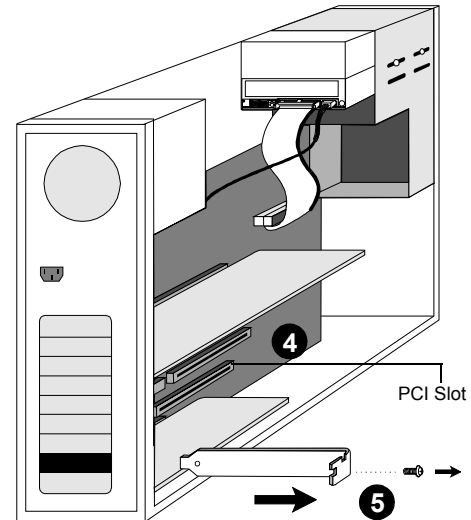
Remove or disable any existing audio card and its driver from your computer. Refer to the manufacturer's documentation for details.

To install the audio card:

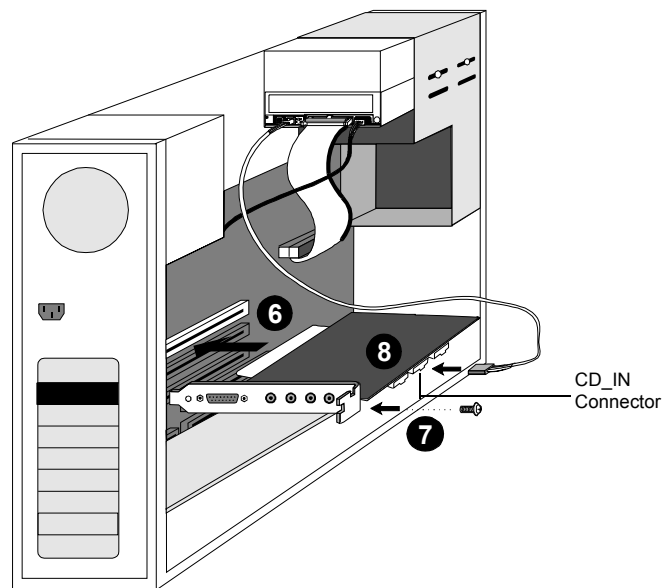
1. Turn off your computer, and disconnect the power cable.
2. Disconnect the monitor and other devices that are connected to the computer.
3. Remove the computer cover.



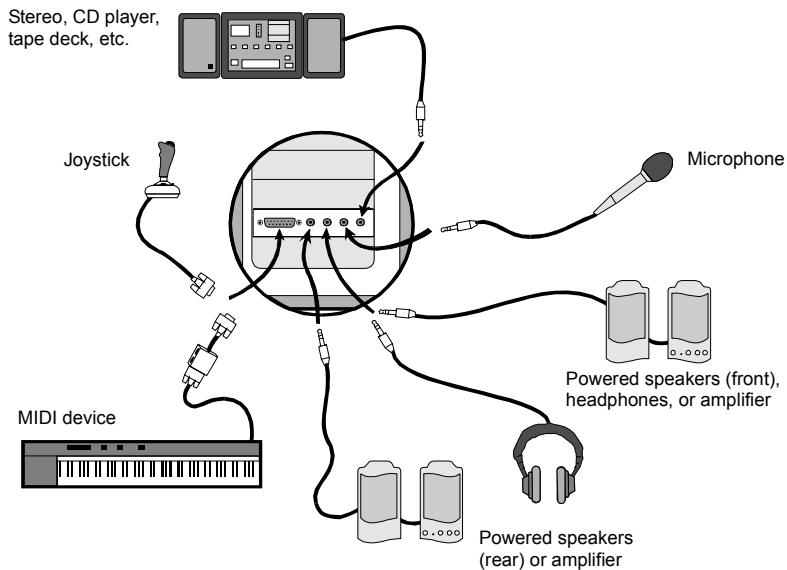
4. Locate a PCI slot to accommodate the audio card.
5. Remove the slot cover from your computer—save the screw to secure the audio card.



6. Align the gold-striped tabs on the bottom of the audio card with the PCI slot, and firmly press the card into place until it fits snugly.
7. Use the screw from the slot cover to secure the audio card to the frame of the computer—securing the card assures proper grounding.
8. Connect the CD audio cable from your CD-ROM drive to the audio card CD_IN connector.



9. Connect your speakers, headphones, microphone, joystick, MIDI devices, or other devices to the back panel of the audio card.



You may connect passive speakers to the Sound Blaster PCI128 but you must first enable the amplifier on the audio card. See the colored insert for details.

10. Replace the computer cover.
11. Reconnect the power cable, monitor, and other devices.

Installing the Creative Software

Windows 95



This manual reflects a software installation in an unmodified version of the operating system. Your installation screens and procedure may vary slightly from what is shown and described. The variations may be caused by other software/hardware installed on your computer, or the version of the Windows 95 operating system.



If the Sound Blaster software installation screen appears, click on Exit. You must install the audio card drivers before installing the applications.

The Sound Blaster PCI128 Software CD contains drivers necessary for operation and utilities to make the most of the audio card. The software installation varies according to your computer's operating system:

- Windows 95
- Windows 98
- Windows NT

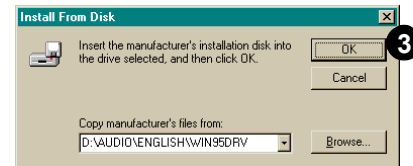
When you turn on your computer, Windows 95 automatically detects the new hardware, and prompts you for the software installation disk. The installation may vary from the instructions below based upon previously installed software and hardware.

To install in Windows 95:

1. Turn on your computer for Windows 95 to automatically detect your new hardware. The New Hardware Found dialog appears.
2. Select the *Driver from disk provided by hardware manufacturer* option, and click OK. The Install From Disk dialog appears.



3. Insert the Sound Blaster PCI128 Software CD in your CD-ROM drive. Enter the path for your CD-ROM drive and the software on the disk. For example, use the following: **D:\AUDIO\ENGLISH\WIN95DRV** (D:\ represents your CD-ROM drive). Click OK to install the Windows 95 drivers.
4. When prompted, install the gameport/joystick drivers from the installation CD. For example, use the Browse button to locate, or type, the following: **D:\DIRECTX\DIRECTX\DRIVERS\USA**. Click OK to install the gameport/joystick drivers.



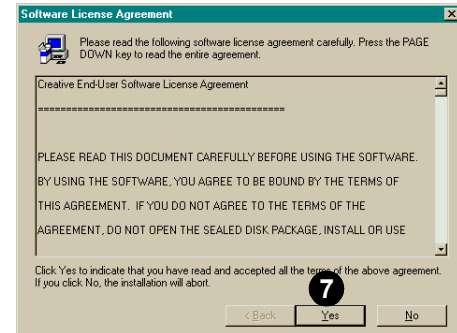


Double-click the *My Computer* icon on your desktop, right-click your CD-ROM drive icon, and click on AutoPlay to start the Creative audio software install if the CD is in the drive.

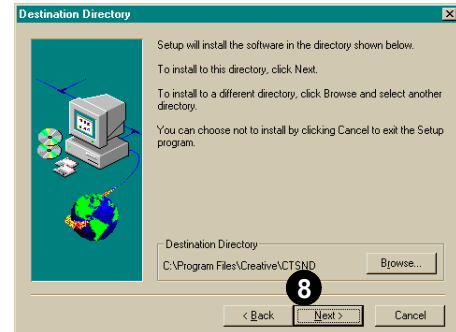
5. You may be prompted to restart your computer—restart your computer for the drivers to take effect.
6. If Autorun is enabled and the Sound Blaster PCI128 disk is in the drive, the Creative Software Installation screen appears. The software included with your Sound Blaster PCI128 is listed on the screen. Select Creative Audio Software and any other applications that you want to install and click on OK.



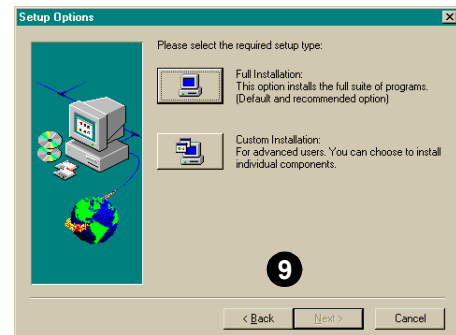
7. Next, the Software License Agreement appears. Read the text and click on the Yes button if you accept the terms of the agreement. The README file follows. Please read the file for any last minute information not included in this manual. Click Next when finished.



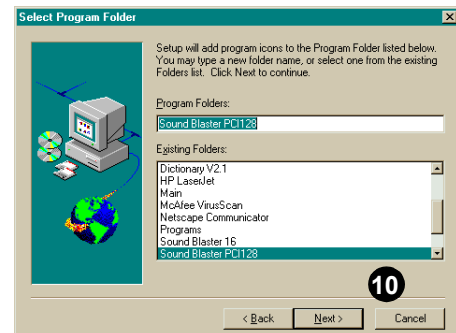
8. Next, you are asked to accept the default destination directory, or enter a new directory. When the directory is correct, click the Next button.



9. Next, the Setup Options are displayed. When you select an option, the installation continues.



10. The Select Program Folder dialog allows you to select the folder to which the audio software is to be installed, or you may confirm the default selection. Click the Next button when the Program Folder is correct.

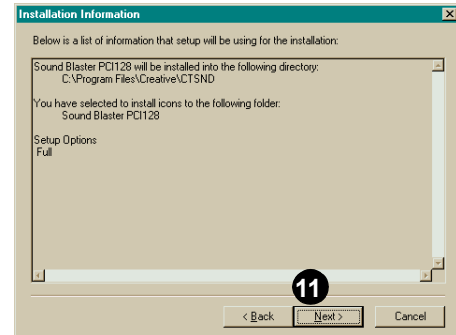


11. The Installation Information dialog lists the installation selections you have made.

To make changes to your selections, click on the Back button until you reach the screen with the option to be changed. Then, click Next until you are returned to the Installation Information dialog.

If the information is correct, click the Next button to continue.

12. The Creative Sound Blaster PCI128 installation screen, similar to that shown to the right, appears to inform you of the progress of the installation.
13. You may be prompted to restart your computer—restart your computer for the drivers to take effect.



Windows 98

The following instructions describe the Sound Blaster PCI128 installation in Windows 98.

To install in Windows 98:

1. The Windows 98 Add New Hardware Wizard automatically detects the Sound Blaster PCI128 and attempts to locate the driver media provided by the manufacturer. Insert the Sound Blaster PCI128 installation CD and click the Next button.
2. Select the Search For The Best Driver For Your Device (Recommended) option and click the Next button.
3. Clear all check boxes and check only the Specify a Location check box. Type or click the Browse button and point to the driver path: **D:\AUDIO\ENGLISH\WIN95DRV** (**D:** represents your CD-ROM drive). Click the Next button.
4. Click the Next button to install the Windows 98 drivers.
5. Click the Finish button when the installation is complete.
6. Restart your computer for the changes to take effect.
7. Follow the software installation instructions for Windows 95.

Windows NT


The following instructions describe the Sound Blaster PCI128 installation in Windows NT 4.0.

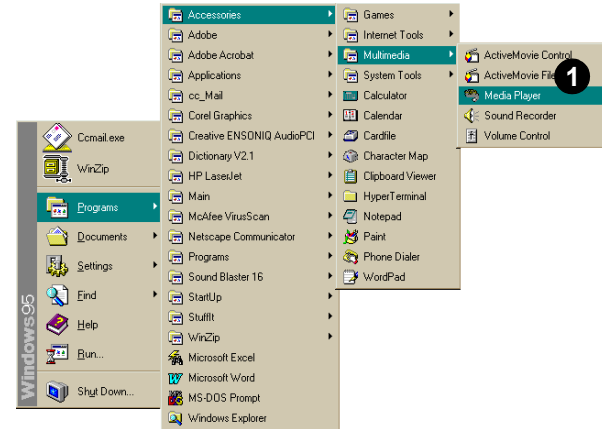
To install in Windows NT 4.0

1. Click the Start button on the Taskbar, select Settings, and click on Control Panel.
2. On the Control Panel, double-click the Multimedia icon.
3. On the Audio Devices tab page, click the Add option, and choose the Unlisted or Updated Driver option. Click the OK button.
4. Insert the Sound Blaster PCI128 installation CD and follow the instructions for each screen to complete the installation.



Testing the Installation

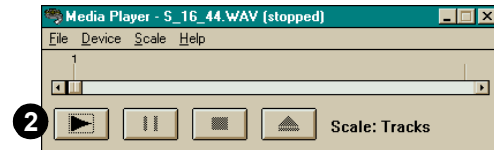
To test the installation:

1. Click  in the task bar; select *Programs*, *Accessories*, *Multimedia*, and *Media Player* from the menus. The Windows Media Player appears.




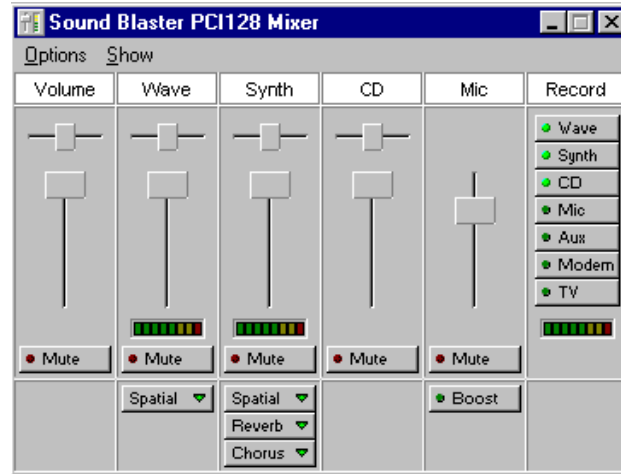
If no sound is heard, see page 22 in the troubleshooting section for

2. Open a wave file, such as THE MICROSOFT SOUND.WAV, and select the *Play* () button. You should hear the wave file being played.
3. Open a MIDI file, such as CANYON.MID, and select the *Play* () button. You should hear the MIDI file being played.



Creative Mixer

The Mixer is installed with the Sound Blaster PCI128 drivers and other software; an icon is added to the Taskbar in the right corner. You may open the Mixer by double-clicking on the icon  in the Taskbar.



The Show menu allows you to customize the Mixer display to include only those panels you select. Additional panels not included in the figure above include sliders for Auxiliary, Modem, and TV devices, and a list of Voice input devices.

Real-Time Effects

Sound Blaster PCI128 supports these real-time effects:

- *Spatial*, surround sound, is available for the Wave and Synthesizer devices
- *Reverb* is available for the Synthesizer
- *Chorus* adds depth to music files played back by the Synthesizer

Recording

The audio sources available for recording are indicated by a green light in the list below Record. The record volume is adjusted by the slider for each input device.

Microphone

Boost and *Mute* are microphone controls available on the Mixer.

- *Boost* adds a 20-dB audio gain to the microphone.
- *Mute* can eliminate feedback when you are using a full-duplex telephone application. When *Mute* is selected, microphone input is heard from speakers (or headphones) attached to the audio card. If only Mic (microphone) is selected in the Record panel, *Mute* does not affect input.

Options

- *Always on Top* places the Mixer on top of other active windows. This feature allows you to dynamically adjust the settings for sound currently being input/output.
- *Voice Control Only* limits the Mixer display to only the main volume control. You can select the panels to be included in the display from the list on the Options menu.
- *Save Options Now/On Exit* allow you to use the Save command to suit your needs.

Advanced Configurations

Resolving Hardware Conflicts

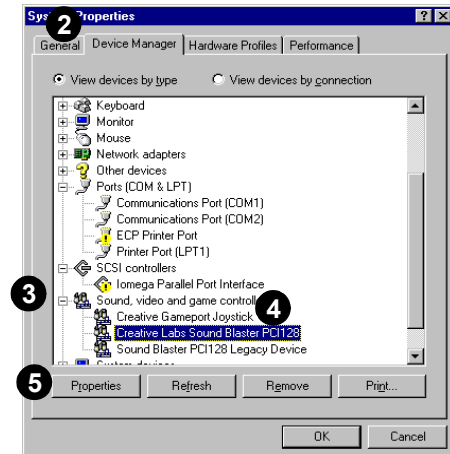
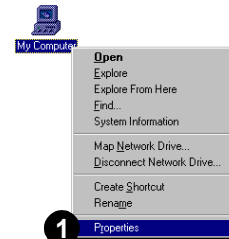


In the Device Manager, a [+] represents an expandable list of items. A [-] represents an expanded list. A circled exclamation mark denotes a conflict.

Hardware conflicts occur when two or more devices contend for the same resources. Conflicts between your audio card and another device may occur regarding the I/O address, IRQ line, or DMA channel.

To resolve hardware conflicts:

1. Right-click the *My Computer* icon on your desktop, and select *Properties*. The System Properties dialog appears.
2. Click the *Device Manager* tab.
3. Double-click *Sound, video, game controllers*. A list of multimedia devices appears.
4. Select your audio card, for example, Creative Labs Sound Blaster PCI128.
5. Choose the *Properties* button.
6. Click the *Resources* tab.
7. Uncheck the *Use automatic settings* option.
8. Change “Settings based on:” if alternate settings are available.



9. Determine the conflict by reviewing the “Conflicting device list.”
10. Select the conflicting item in the “Resource Settings” list.
11. Click the *Change Settings* button.
12. Use the mouse to select a new setting.
13. Select OK to close each of the properties windows, and restart your computer.


Uninstalling the Software



Close all audio card applications before running the uninstall procedure. If a card's application is running during the uninstall procedure, that application is not uninstalled.

The Windows 95 Uninstall utility allows you to remove applications and to re-install them to correct problems, change configurations, or make upgrades.

To uninstall the software:

1. Click  on the taskbar, and select *Settings* from the Start menu.
2. Select *Control Panel*. The Control Panel group appears.
3. Double-click the *Add/Remove Program* icon. The Add/Remove Programs Properties dialog appears.
4. Select the software to uninstall from the list.
5. Select the *Add/Remove* button.
6. Follow the instructions on-screen to complete the uninstall procedure.



Connecting a Joystick

The joystick port on the audio card is a standard PC game control adapter or game I/O port. You can connect most analog joysticks with a 15-pin D-sub connector directly to the port; it works with any application that is compatible with standard PC joysticks.

If you need to run two joysticks, a Y-cable is available from Creative Labs' Customer Service (Y-cables from other sources may not work). Some sophisticated joysticks may require the MIDI adapter or Y-cable to work with the audio card.

Connecting a MIDI Device

The audio card supports the following MIDI standards:

- MPU-401 UART
- Sound Blaster MIDI

To connect a MIDI device to the audio card, you need a MIDI cable adapter. The MIDI cable adapter allows you to attach both a MIDI instrument and a joystick at the same time. Contact your local dealer for more information.

Troubleshooting

This chapter provides solutions for problems you may encounter during installation or normal use of your audio card.

No sound is heard from audio (music) CDs

Various conditions may be responsible. To troubleshoot, please check the following:

- Creative Mixer or Microsoft Volume Control mute options and volume sliders. (Refer to the on-line Sound Blaster PCI128 *User's Guide* or Help, or on-line help for detailed information.)
- Connect headphones to the stereo phone jack on your CD-ROM drive's front panel, and adjust the volume control settings on the drive. If there is sound from your headphones, check the CD audio cable connection from the CD-ROM drive to the audio card.
- Ensure the speakers are properly connected to the audio card's output connector. (See the colored insert for detailed connection information.)

Joystick port is not working

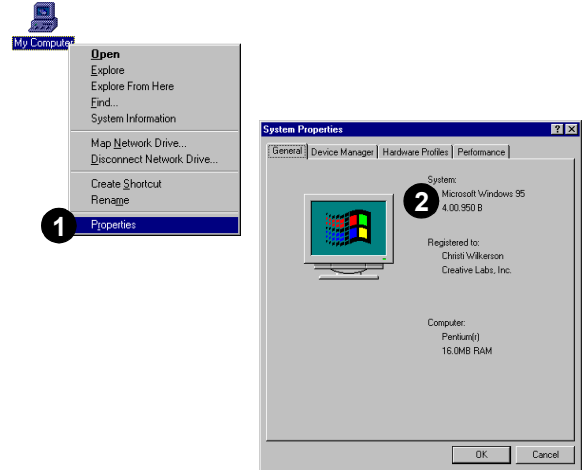
To troubleshoot, check the following:

- The audio card joystick port conflicts with another joystick port in the system. Disable the audio card joystick port, and use the system's joystick port. To disable the joystick port, see "Resolving Hardware Conflicts" on page 13 (select the joystick you want to disable rather than the audio card shown).
- The joystick drivers, MSJSTICK.DRV and VJOYD.VXD, may not be installed. Uninstall the joystick, then reinstall to load the drivers. The drivers are located on the Sound Blaster PCI128 installation disk in the `\DIRECTX\DRIVERS\USA` directory. See Sound Blaster PIC128 on-line help for detailed information.

Determining your Windows version

To determine your Windows 95 version number:

1. Right-click the *My Computer* icon, and select *Properties*. The System Properties dialog appears.
2. On the *General* tab, note your Windows 95 version number. Possible version numbers are:
 - q 4.00.950
 - q 4.00.950A
 - q 4.00.950B




Computer hangs or restarts during installation

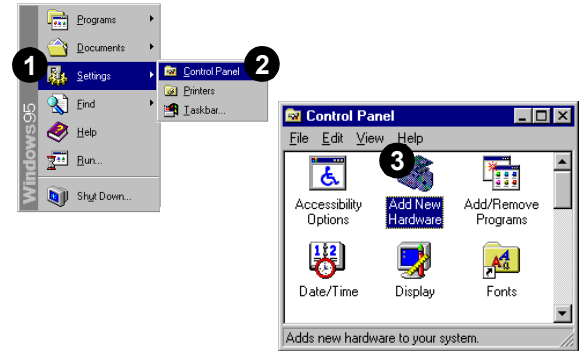
A hardware conflict may cause the computer to hang or restart during the installation procedure. Check the following to resolve the conflict:

- A hardware conflict with another device in your system (see “Resolving Hardware Conflicts” on page 13).
- Previously installed audio card hardware or software needs to be removed (see “Uninstalling the Software” on page 14).
- The audio card is not seated in the slot properly (see “Installing the Audio Card” on page 2).
- PCI bus mastering devices may be interfering with the operation of the audio card. Temporarily remove non-essential PCI bus mastering devices.

Audio card is not automatically detected

To manually configure your audio card for Windows 95:

1. Click  on the taskbar, and select *Settings* from the Start menu.
2. Select *Control Panel*. The Control Panel group appears.
3. Double-click the *Add New Hardware* icon. The Add New Hardware Wizard dialog appears.



4. Select *Next* to continue.



5. Choose *Yes* to have Windows search for new hardware, then select *Next*.



6. Select *Next* to continue.



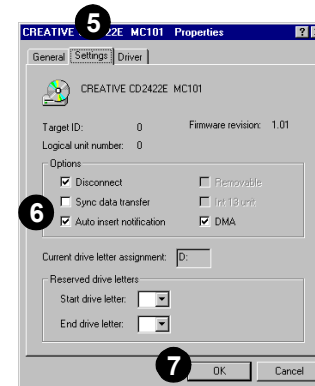
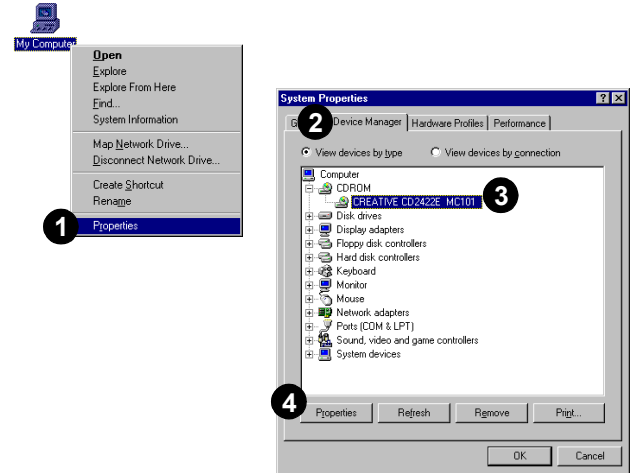
7. Select *Finish*, and follow the prompts to complete the new hardware installation.



CD does not automatically run when you insert it in the drive

To enable the “Auto insert notification” feature:

1. Right-click the *My Computer* icon on your desktop, and select *Properties*. The System Properties dialog appears.
2. Click the *Device Manager* tab. A list of devices appears.
3. Double-click *CD-ROM*, and select your CD-ROM drive.
4. Choose the *Properties* button. The CD-ROM drive properties dialog appears.
5. Choose the *Settings* tab.
6. Click the “Auto insert notification” option to enable.
7. Select OK until all Properties dialogs are closed, and restart Windows for the changes to take effect.



No sound is heard from speakers

To troubleshoot, please verify the following:

- Check the Mixer or Microsoft Volume Control mute options and volume sliders. (Refer to the on-line Sound Blaster PCI128 *User's Guide* or Help, or Windows on-line help for detailed information.)
- Ensure the speakers are properly connected to the audio card's output connector. (See the colored insert for detailed connection information.)
- Check the volume control and power connection of the speakers, if they are amplified. (Refer to the speakers documentation for detailed information.)
- Ensure a hardware conflict does not exist between your audio card and another device in your system. (Refer to "Resolving Hardware Conflicts" on page 13, or the Windows on-line help for detailed information.)
- PCI bus mastering devices may be interfering with the operation of the audio card. Temporarily remove non-essential PCI bus mastering devices. If the device is a display card, upgrade the display card drivers, or set the card to the default Windows VGA mode.

If you are experiencing no sound only during audio CD playback, see "No sound is heard from audio (music) CDs" on page 17.

Static sounds are heard in wave files

Ensure the static sounds are heard in all wave files. If the difficulty occurs only with certain games, refer to the software manufacturer's documentation. To troubleshoot static sounds heard in all wave files:

- Try different resource settings for the audio card, or set the card to use low DMA (see "Resolving Hardware Conflicts" on page 13).
- Move the audio card to another PCI slot. Feedback from the power supply or another device may be responsible.

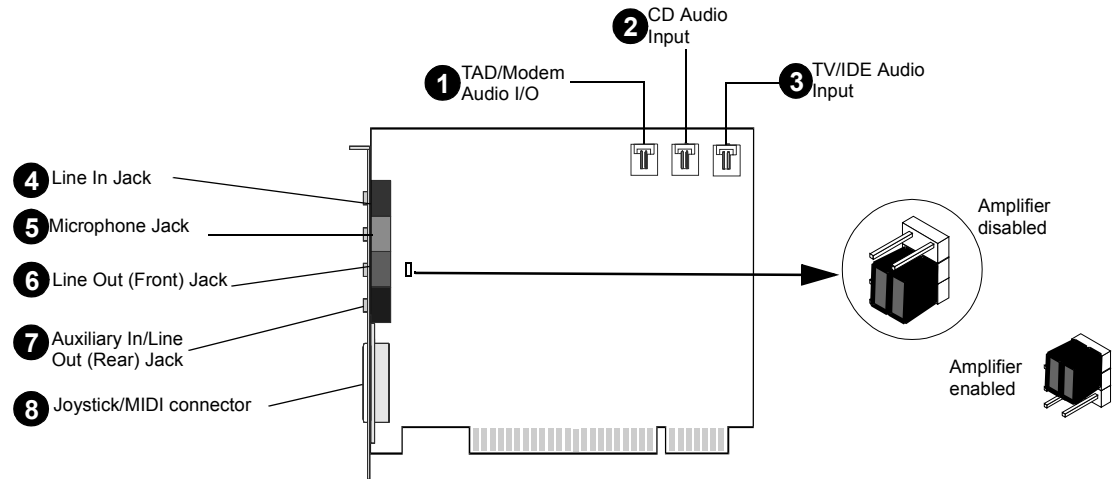
Details

Sound Blaster PCI128

This insert contains specific information for your Sound Blaster PCI128 audio card, any last minute information, and contact information for Creative Labs.

Refer to your *Getting Started* manual, “Installing Your Audio Card” on page 1, for installation instructions for your audio card.

The illustration below identifies the audio card’s features.



NOTE: To use passive speakers with your Sound Blaster PCI128, you must first enable the audio card’s amplifier by setting the jumpers located just behind the Line Out (Front) jack. If the amplifier is disabled (default), the jumpers cover the lower two sets of pins as shown in the circled illustration above. To enable the audio card’s amplifier, move the jumpers to cover the upper two sets of pins as shown in the illustration to the right above.

	English	Español	Français	Português
1	CD Audio connector Connects a CD-ROM drive using a CD audio cable.	Conector para entrada de CD (CD_IN) Conectan la unidad de CD-ROM mediante un cable de sonido de CD.	Connecteur CD-audio (CD_IN) Permet de connecter un lecteur de CD-ROM en utilisant un câble CD-audio.	Conectores de Áudio de CD (CD-IN) Conecta uma unidade de CD ROM usando um cabo de áudio de CD.
2	TV/IDE connector Connects video card or IDE CD-ROM for audio input.	TV/IDE conector Conecta tarjeta de video o unidad de CD-ROM IDE para entrada de sonido.	TV/IDE connecteur Connecte carte video ou lecteur de CD-ROM pour l'enregistrement de audio.	TV/IDE conector Conecta placa de video ou unidade de CD ROM para entrada de áudio.
3	TAD/Modem Connector Connects internal audio sources such as TAD (telephone answering device) or modem.	Conector de TAD/Módem Conecta fuentes internas de audio tales como TAD (telephone answer device—dispositivos de contestación telefónica) o tarjeta de módem.	Connecteur TAD/Modem Connecte des sources d'audio interne par exemple TAD(telephone answering device—repondeur telephonique) ou cartes de modem.	Conector de TAD/Modem Conecta fontes interna de áudio tais como TAD (telephone answering device—dispositivo de atendimento de chamadas) ou placa de modem.
4	Line In Jack Connects external devices, such as a cassette, DAT, or minidisc player for playback and recording	Jack de saída des parlantes Conecta dispositivos externos (como reproductor de cassette, de DAT o de minidisco) para reproducir o grabar.	Prise de sortie des haut-parleurs Permet de connecter des périphériques externes (par ex. lecteurs de cassettes, DAT ou Minidisque) pour la lecture ou l'enregistrement.	Tomada de saída des acústicas caixas Conecta dispositivos externos (como cassette, DAT, ou Minidisc) para a reprodução ou gravação.
5	Microphone In jack Connects an external microphone for voice input.	Jack de entrada de micrófono Conecta un micrófono externo para la entrada de voz.	Prise d'entrée microphone Permet de brancher un microphone externe pour l'enregistrement de voix.	Tomada de entrada de Microfone Conecta microfone externo para entrada de voz.
6	Line Out (Front) jack Connects powered front speakers or an external amplifier. Also supports headphones.	Jack de saída de línea Conecta parlantes (delante) o un amplificador externo para la salida de audio. También soporta auriculares.	Prise de sortie ligne Permet de connecter des haut-parleurs (avant) amplifiés ou un amplificateur externe pour la sortie audio. Accepte également un casque.	Tomada de saída de linha Conecta caixas acústicas (frontais) amplificadas ou um amplificador externo para saída de áudio. Também suporta fones de ouvido.
7	Auxiliary In/Line Out (Rear) jack Connects to powered rear speakers or an external amplifier.	Jack de entrada de línea Conecta parlantes (atrás) o un amplificador externo para la salida de audio.	Prise d'entrée ligne Permet de connecter des haut-parleurs (arrière) amplifiés ou un amplificateur externe pour la sortie audio.	Tomada de entrada de linha Conecta caixas acústicas (posteriores) amplificadas ou um amplificador externo para saída de áudio.
8	Joystick/MIDI connector Connects a joystick or a MIDI device. An optional MIDI adapter allows you to connect the joystick and MIDI device simultaneously.	Conector de joystick/MIDI Conecta un joystick o un dispositivo MIDI. Puede adquirir un kit MIDI opcional que permita conectar los dos dispositivos a la vez.	Connecteur Joystick/MIDI Permet de brancher un joystick ou un périphérique MIDI à la carte audio. Vous pouvez acheter un kit MIDI en option afin de pouvoir brancher simultanément le joystick et un périphérique MIDI.	Conector de Joystick/MIDI Conecta um joystick ou dispositivo MIDI. Você pode comprar um kit MIDI opcional que permite a conexão simultânea do joystick e dispositivo MIDI.

General Specifications: Sound Blaster PCI128

English	Español	Français	Português
WaveTable Synthesis <ul style="list-style-type: none"> Digital effects engine for reverb and chorus 128-voice polyphony 16 MIDI channels, 128 GM and GS compatible instruments and 10 drum sets MT-32 compatible instrument set 2-, 4-, and 8-MB sample sets included (uses system RAM for wave-table samples) 	Síntesis por medio de tabla de ondas <ul style="list-style-type: none"> Efectos digitales para coro y reverberación Polifonía de 128 voces 16 canales MIDI, instrumentos compatibles con 128 GM- y GS y 10 conjuntos de tambores Conjunto de instrumentos compatibles con MT-32 2 MB, 4MB y 8MB de sets de muestras incluidos 	Synthétiseur de table d'ondes <ul style="list-style-type: none"> Effets numériques de réverbération et de chorus Polyphonique sur 128 voix 16 canaux MIDI, 128 instruments compatibles GM et GS et 10 kits de batterie Ensemble d'instruments compatibles MT-32 Echantillons de 2 Mo, 4 Mo et 8 Mo inclus 	Wavetable Synthesis <ul style="list-style-type: none"> Efeitos digitais para reverberação e coro Capacidade de polifonia de 128 vozes 16 canais MIDI, 128 instrumentos compatíveis com GM e GS e 10 configurações rítmicas Conjunto de instrumentos compatíveis com MT-32 Conjuntos de padrões de 2 MB, 4 MB e 8MB inclusos
3D Audio Technology <ul style="list-style-type: none"> Support for Microsoft® DirectSound® and DirectSound 3D® audio technology in 2-speaker and 4-speaker mode Four-speaker option requires Microsoft DirectSound 3D supported software titles Multi-algorithm reverb and chorus 	Tecnología de sonido 3D <ul style="list-style-type: none"> Compatibilidad con las tecnologías Microsoft DirectSound y DirectSound 3D en modalidad de 2 y 4 altavoces La opción de cuatro altavoces requiere el uso de títulos de software compatibles con Microsoft DirectSound Coro y reverberación de algoritmos múltiples 	Technologie sonore tridimensionnelle <ul style="list-style-type: none"> Prise en charge des technologies sonores DirectSound et DirectSound 3D de Microsoft en mode à 2 et 5 haut-parleurs Avec l'option à quatre haut-parleurs, les logiciels doivent être pris en charge par DirectSound 3D de Microsoft Réverbération et chorus à plusieurs algorithmes 	Tecnologia de áudio 3D <ul style="list-style-type: none"> Suporte para a tecnologia de áudio DirectSound e DirectSound 3D da Microsoft no modo de 2 e 4 caixas acústicas A opção de quatro caixas acústicas requer títulos de software compatíveis com o Microsoft DirectSound Reverberação e coro multi-algoritmo
Memory Subsystem <ul style="list-style-type: none"> Utilizes system RAM for wave-table samples User-configurable for 2MB and 4 MB 	Sistema de memoria <ul style="list-style-type: none"> Utilización de la RAM del sistema para muestras de sonido <i>wavetable</i> Configuración por parte del usuario para 2MB ó 4MB 	Système de mémoire <ul style="list-style-type: none"> Utilise la mémoire RAM du système pour les échantillons des table d'ondes Configurable en 2 Mo ou 4 Mo par l'utilisateur 	Sistema de memória <ul style="list-style-type: none"> Usa a RAM do sistema para padrões wavetable Pode ser configurado pelo usuário para 2MB ou 4MB
CD-Quality, 16-bit Stereo Digital Audio <ul style="list-style-type: none"> 8- and 16-bit, monaural and stereo recording and playback User-selectable sample rates from 5kHz to 48kHz Full duplex support enables simultaneous record and playback for Internet communications software 	Sonido digital de 16 bits de calidad de CD <ul style="list-style-type: none"> Grabación y reproducción monoaural y estéreo en 8 y 16 bits Velocidades de muestreo de 5kHz a 48kHz seleccionables por el usuario Compatibilidad con full dúplex para grabación y reproducción simultánea usando software de comunicaciones para Internet 	Son numérique 16 bits de qualité CD <ul style="list-style-type: none"> Enregistrement et lecture mono et stéréo 8 et 16 bits Vitesse des échantillons sélectionnable par l'utilisateur entre 5 kHz et 48 kHz Prise en charge simultanée de l'enregistrement et de la lecture en duplex intégral pour les logiciels de communication sur Internet 	Áudio digital de 16 bits, qualidade CD <ul style="list-style-type: none"> Gravação e reprodução de 8 e 16 bits em mono e estéreo Padrões selecionáveis pelo usuário na faixa de 5kHz a 48kHz Suporte para full-duplex para gravação e reprodução simultânea para software de comunicação via Internet
MIDI Interface / Joystick Port <ul style="list-style-type: none"> Built-in 15-pin MIDI interface (cable available separately) Compatible with Sound Blaster and MPU-401 UART modes IBM-compatible 15-pin joystick port with analog support 	Interfaz MIDI/Puerto para palanca de juego <ul style="list-style-type: none"> Interfaz MIDI incorporado de 15 pines (cable disponible independientemente) Compatible con las modalidades Sound Blaster y MPU-401 UART Puerto para palanca de juego compatible con IBM de 15 pines y funcionalidad analógica 	Interface MIDI/Port pour manette de jeu <ul style="list-style-type: none"> Interface MIDI incorporée à 15 broches (cable disponible séparément) Compatible avec les modes Sound Blaster et MPU-401 UART Port de manette de jeu à 15 broches compatible IBM avec support analogique 	Interface MIDI/porta de joystick <ul style="list-style-type: none"> Interface integrada para MIDI de 15 pines (cabo disponível separadamente) Compatible com os modos Sound Blaster e MPU-401 UART. Porta de joystick de 15 pines com suporte analógico, compatível com IBM

English	Español	Français	Português
On-Board Connectors <ul style="list-style-type: none"> • Speaker out • Line-out • Aux in / Rear out • Microphone in • Line in • MIDI/Joystick port • MPC-3 CD Audio in • TV tuner in • TAD I/O 	Conectores incorporados <ul style="list-style-type: none"> • Jack de saída des parlantes • Salida de línea • Entrada de Aux • Entrada de micrófono • Entrada de línea • Puerto MIDI/palanca de juego • Entrada de sonido MPC-3 CD • Entrada de sintonizador de la televisión • TAD E/S 	Connecteurs embarqués <ul style="list-style-type: none"> • Prise de sortie des haut-parleurs • Sortie de ligne • Entrée de Aux • Entrée de microphone • Entrée de ligne • Port MIDI/manette de jeu • Entrée sonore MPC-3 CD • Entrée de tuner de télévision • TAD ES 	Conectores na placa <ul style="list-style-type: none"> • Tomada de linha des acústicas caixas • Saída de linha • Entrada de Aux • Entrada de microfone • Entrada de linha • Porta de MIDI/joystick • Entrada de áudio CD MPC-3 • Entrada de tuner da televisão • TAD E/S
Compatible with the Following Standards <ul style="list-style-type: none"> • Windows 95/98/NT 4.0 • DOS 6.0 or higher • General MIDI • MPC3 • Plug and Play • Sound Blaster PCI • Microsoft DirectSound, DirectSound 3D, etc. 	Compatible con: <ul style="list-style-type: none"> • Windows 95/98/NT 4.0 • DOS 6.x o posterior • MIDI general • MPC-3 • Plug and Play • Sound Blaster PCI • Microsoft DirectSound, DirectSound 3D, etc. 	Compatible avec : <ul style="list-style-type: none"> • Windows 95/98/NT 4.0 • DOS 6.x ou version ultérieure • General MIDI • MPC3 • Plug and Play • PCI Sound Blaster • Microsoft DirectSound, DirectSound 3D, etc. 	Compatível com: <ul style="list-style-type: none"> • Windows 95/98/NT 4.0 • DOS 6.x ou posterior • MIDI em geral • MPC-3 • Plug and Play • Sound Blaster PCI • Microsoft DirectSound, DirectSound 3D, etc.
Mixer <ul style="list-style-type: none"> • Six channel mixer control for access to CD/auxiliary, microphone/line, music synthesizer and digital audio • Spatial audio control for digital audio and music synthesizer • Reverb and chorus control for music synthesizer 	Mixer <ul style="list-style-type: none"> • Control de mixer para 6 canales que otorga acceso a CD/auxiliar, micrófono/línea y sintetizador de música • Control de sonido espacial para sonido digital y sintetizador de música • Control de coro y reverberación para sintetizador de música 	Mélangeur <ul style="list-style-type: none"> • Contrôle d'accès au CD/sortie auxiliaire, microphone/ligne, synthétiseur de musique par mélangeur à 6 voies • Contrôle sonore spatial pour son numérique et synthétiseur de musique • Commande de réverbération et de chorus pour synthétiseur de musique 	Mixer <ul style="list-style-type: none"> • Controle de mixer de 6 canais para acesso ao CD/auxiliar, microfone/linha, sintetizador musical • Controle de áudio espacial para áudio digital e sintetizador musical • Controle de reverberação e coro para sintetizador musical

Contacting Creative Labs

English	Español	Français	Português
<p>At Creative, we are committed to giving you the best product as well as the best technical support.</p> <p>Before You Contact Us</p> <p>Please be seated at your computer and have the following information:</p> <ul style="list-style-type: none"> • Model and serial numbers (usually found on the back of the device) of the product, and date of purchase. • Error message on the screen and how it came about. • Information on the adapter card that conflicts with the product, if applicable. • Hardware configuration information such as the base I/O address, IRQ line, or DMA channel used, if applicable. • Computer type and speed (for example, Pentium 166) and memory available. • Type and version of your operating system; for example, DOS 6.22, Windows 3.1x, or Windows 95. <p>You can contact Technical Support through one of the following addresses or numbers:</p> <p>Creative Labs, Inc. Technical Support 1523 Cimarron Plaza Stillwater, OK 74075 U.S.A.</p> <ul style="list-style-type: none"> • Telephone: 405 742 6622 • Facsimile: 405 742 6633 <p>Operating hours (U.S.A. Central Time)</p> <ul style="list-style-type: none"> • Monday—Saturday: 10:00 a.m.—10:00 p.m. • Sunday Noon—8:00 p.m. • Public Holidays: Closed <p>You can get our latest program and driver updates, technical data, and answers to frequently asked questions through these 24-hour services:</p> <ul style="list-style-type: none"> • BBS: 405 742 6660 • CompuServe: Go Blaster • Fax Back: 405 372 5227 • Internet: http://www.soundblaster.com <p>You need a modem to access a bulletin board service (BBS). If you are not a member of CompuServe, you can receive a free introductory CompuServe membership (in the U.S.A only) by calling 1-800-524-3388 and asking for Representative #228.</p>	<p>El compromiso de Creative Labs es el de proporcionar a sus clientes el mejor producto posible que cuente con excelente soporte técnico.</p> <p>Si requiere soporte técnico en su propio idioma (español), puede ponerse en contacto con nosotros por facsimil o por correo electrónico las 24 horas del día. Las respuestas se enviarán de Lunes a Sábado de 10:00 a las 22:00 horas y los Domingos de las 12:00 a las 22:00 horas - horario central de EE.UU.</p> <p>Bajo condiciones normales, el grupo de soporte técnico enviará las respuestas a las consultas dentro de un tiempo oportuno, sin embargo, éste puede variar dependiendo de la cantidad de solicitudes de soporte recibida.</p> <p>Al enviar su consulta, por favor cerciórese de incluir la información siguiente lo más detalladamente posible. De tal manera, nuestros representantes de soporte podrán diagnosticar y resolver su problema más fácilmente.</p> <ul style="list-style-type: none"> • Nombre, número de facsimil o dirección de correo electrónico • Nombre y número de modelo del producto de Creative Labs utilizado • Descripción detallada del problema y texto de cualquier mensaje de error que haya aparecido en la pantalla • Sistema operativo y versión del mismo • Tipo y velocidad del equipo utilizado (por ejemplo, PC 486/33), además de la memoria disponible • Tipo de tarjeta gráfica y otras tarjetas para periféricos que haya instaladas en su sistema (por ejemplo, fax/módem, tarjeta controladora SCSI, etc.) <p>Creative Labs, Inc. - Soporte Técnico 1523 Cimarron Plaza Stillwater, OK 74075 EE.UU</p> <p>Soporte Técnico en español por facsimil y correo electrónico</p> <ul style="list-style-type: none"> • Facsimil: 1 405 742 6613 • Correo electrónico: soporte@creativelabs.com 	<p>À Creative Labs, nous voulons offrir à nos clients les meilleurs produits multimédia et un support technique de haute qualité.</p> <p>Si vous avez besoin de support technique dans votre langue, vous pouvez nous contacter par téléphone au numéro suivant: 405 742 2385. Le support technique est offert du lundi au vendredi de 10:00 à 22:00 heure.</p> <p>Avant de nous contacter, assurez-vous d'avoir à votre portée, toute l'information se rapportant aux points suivants:</p> <ul style="list-style-type: none"> • Modèle et numéro de série du produit (se trouve habituellement à l'arrière des composantes principales) • Une description détaillée du problème et texte complet du message d'erreur qui est apparu à l'écran. • Système opérationnel et version spécifique • Genre d'ordinateur et de processeur utilisé • Genre de carte graphique et autres cartes périphériques installées dans votre system (exemple: modem, carte de contrôle SCSI etc.) <p>Creative Labs, Inc. - Support Technique 1523 Cimarron Plaza Stillwater, OK 74075 Etats-Unis</p> <p>Nouveaux gestionnaires de programmes, solutions de problèmes communs et réponses aux questions demandées fréquemment sont disponible aux numéraux ou sites internet suivants:</p> <ul style="list-style-type: none"> • BBS: 405 742 6660 • CompuServe: Go Blaster • Fax Back: 405 372 5227 • Internet: http://www.soundblaster.com • e-mail: support_technique@creativelabs.com <p>Vous devez avoir un modem pour accéder le BBS, CompuServe et le site internet. Si vous n'êtes pas membre de CompuServe, vous pouvez appeler le 800 524 3388, poste 228, afin d'obtenir un abonnement d'introduction gratuit. Cet offre est disponible aux États-Unis seulement.</p>	<p>A Creative Labs tem por objetivo oferecer a seus clientes o melhor produto possível com suporte técnico do mais alto nível.</p> <p>Se você precisar de suporte em seu idioma, entre em contato com a Creative Labs por fax ou correio eletrônico, disponível 24-horas por dia. As respostas serão enviadas de segunda a sábado, das 8h00 às 22h00 e domingos das 12h00h às 22h00, horário central nos EUA.</p> <p>Em condições normais, o grupo de suporte técnico enviará as respostas dentro de um prazo adequado. O tempo de resposta poderá variar de acordo com a quantidade de perguntas enviadas.</p> <p>Ao enviar sua pergunta, certifique-se de estar fornecendo as informações relacionadas abaixo, incluindo tantos detalhes quanto for possível. Isto facilitará o diagnóstico de seu problema e, conseqüentemente, a identificação de uma solução por parte de nossos representantes de suporte técnico.</p> <ul style="list-style-type: none"> • Seu nome e número de fax ou endereço de correio eletrônico • O nome e número de modelo de seu produto Creative Labs • Uma descrição detalhada do problema e o conteúdo de qualquer mensagem de erro que você tenha recebido • O sistema operacional e a versão • O tipo e a velocidade de seu processador (por ex., 486/33), bem como a memória RAM disponível • O tipo de placa gráfica e quaisquer outras placas periféricas instaladas em seu sistema (por exemplo, fax/modem, placa controladora SCSI) <p>Creative Labs, Inc. - Assistência Técnica 1523 Cimarron Plaza Stillwater, OK 74075 EUA.</p> <p>Você pode enviar sua pergunta por fax ou correio eletrônico a:</p> <ul style="list-style-type: none"> • Fax: +1 405 742-6613 • Correio Eletrônico: suporte@creativelabs.com

Product Return

English	Español	Français	Português
<p>Product Return To return a Creative product for a factory service, contact the Creative Technical Support office. Once the staff has verified the product is defective, you will be given a Return Merchandise Authorization (RMA) number.</p> <p>NOTE: Retain your purchase receipt, as well as all packaging and contents, until all product components are functioning to your satisfaction. They are required in the unlikely event you need to return the product to Creative.</p> <p>When returning a product for factory service:</p> <ul style="list-style-type: none"> • Shipment to Creative is at your expense and you assume all risk. Ship the package through a carrier that provides proof of delivery; insure the shipment at full product value. • Place the RMA number on the outside of the package. • Use proper materials for packing the product for shipment. • For free repair or replacement, you must include a copy of a dated proof of purchase (store receipt), proving the product is still under Warranty <p>Creative may replace or repair the product with new or reconditioned parts, and the faulty parts or product will become the property of Creative.</p>	<p>Devolución del producto Con el fin de devolver un producto de Creative Labs para que reciba servicio de fábrica, ponerse en contacto con la oficina de soporte técnico de la compañía. Después que el personal de servicio haya verificado que el producto se encuentra defectuoso, se emitirá un número de autorización para la devolución de mercadería (RMA).</p> <p>NOTA: Guardar el recibo de compra y los materiales de empaque del producto hasta que todos los componentes estén funcionando satisfactoriamente, puesto que se deberá incluirlos con el mismo en caso de necesitar devolverlo a Creative Labs.</p> <p>Cuando se devuelva un producto para que reciba servicio de fábrica:</p> <ul style="list-style-type: none"> • El envío a Creative Labs corre por cuenta del cliente y éste asume todos los riesgos. Se recomienda enviar el paquete a través de una compañía que proporcione un comprobante de entrega y asegurar el producto por su valor total. • Colocar el número de autorización para la devolución de mercadería (RMA) en el exterior del paquete. • Embalar el producto adecuadamente para el transporte. • Para obtener la reparación o reemplazo gratuitos se debe incluir una copia del comprobante de compra fechado (recibo de tienda), siempre y cuando el producto se encuentre dentro de la fecha cubierta por la garantía. <p>Creative Labs puede reemplazar o reparar el producto con componentes nuevos o reacondicionados y las partes o componentes defectuosos quedarán como propiedad de la compañía.</p>	<p>Renvoi de produits Pour renvoyer un produit Creative nécessitant des réparations, veuillez contacter le service du support technique de Creative. Une fois que nos techniciens auront pu déterminer que le produit est défectueux, vous recevrez un numéro d'autorisation pour retour de marchandise (ARM).</p> <p>REMARQUE : Outre tous les matériaux et le contenu de l'emballage, veuillez conserver le récépissé de caisse jusqu'à ce que tous les composants du produit fonctionnent selon vos désirs. Ces éléments sont indispensables au cas peu probable où vous auriez besoin de renvoyer le produit à Creative.</p> <p>Quand vous renvoyez un produit nécessitant des réparation :</p> <ul style="list-style-type: none"> • L'expédition à destination de Creative se fait à vos frais et vous en assumez tous les risques. Envoyez le paquet par l'intermédiaire d'une entreprise délivrant un certificat de livraison ; assurez l'expédition pour la valeur totale du produit. • Indiquez le numéro ARM à l'extérieur de l'emballage. • Utilisez des matériaux d'emballage convenables pour ce produit. • Pour obtenir des réparations gratuites ou un échange du produit, vous devez y inclure une copie datée du récépissé d'achat (reçu du magasin), prouvant que le produit est encore sous garantie. <p>Creative peut échanger ou réparer le produit avec des pièces neuves ou remises à neuf, et les pièces ou le produit défectueux deviennent alors la propriété de Creative.</p>	<p>Devolução de Produto Para devolver um produto da Creative para conserto na fábrica, entre em contato com o departamento de Suporte Técnico da Creative. Depois que a equipe confirmar que o produto apresenta defeitos, você receberá um número de Autorização para Devolução de Mercaderia (RMA - Return Merchandise Authorization).</p> <p>NOTA: Guarde o seu recibo de compra, junto com toda a embalagem e o conteúdo do pacote, até ter certeza de que todos os componentes do produto estão funcionando satisfatoriamente. Todos esses itens serão necessários caso você precise devolver o produto para a Creative.</p> <p>Para retornar o produto para conserto na fábrica:</p> <ul style="list-style-type: none"> • Você deverá arcar com os custos de transporte para a Creative e assumir todos os riscos. Envie o pacote através de uma transportadora que forneça um comprovante de entrega e faça um seguro que cubra o valor total do produto. • Coloque o número da RMA do lado de fora do pacote. • Utilize material adequado para embalar o produto para transporte. • Para solicitar conserto ou substituição gratuitos, você deverá incluir uma cópia de um comprovante de compra datado (recibo da loja), confirmando que o produto ainda está na garantia. <p>A Creative pode substituir ou consertar o produto com peças novas ou recondicionadas, e as peças ou produtos com defeitos passarão a ser propriedade da Creative.</p>
<p>Outside the United States To avoid tariffs when shipping a product to Creative Labs from outside the U.S., you must complete an official customs form before shipping the product. <i>To ensure delivery, Creative may include charges for return shipment.</i></p>	<p>Fuera de los Estados Unidos Con el fin de evitar el pago de tarifas al enviar un producto a Creative Labs desde fuera de los EE.UU., se debe llenar un formulario de aduana oficial antes de enviar el paquete. <i>Para garantizar la entrega, Creative Labs puede incluir cargos de embarque con la devolución.</i></p>	<p>En dehors des États-Unis Pour éviter de payer des taxes quand vous envoyez un produit à Creative Labs depuis l'étranger, vous devez remplir un formulaire de douane officiel avant d'envoyer le produit. <i>Pour en assurer la livraison, Creative peut ajouter des frais de retour à l'expéditeur.</i></p>	<p>Fora dos Estados Unidos Para evitar o pagamento de impostos quando estiver enviando um produto para Creative Labs de outro país que não os EUA, você deverá completar o formulário oficial da alfândega antes de enviar o produto. <i>Para garantir a entrega do produto, a Creative pode incluir taxas para transporte de volta.</i></p>