

User's Guide

Vibra™ 128

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Safety & Regulatory Information

The following sections contain notices for various countries:

CAUTION: This device is intended to be installed by the user in a CSA/TUV/UL certified/listed IBM AT or compatible personal computers in the manufacturer's defined operator access area. Check the equipment operating/installation manual and/or with the equipment manufacturer to verify/confirm if your equipment is suitable for user-installed application cards.

Modifications

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Compliance

This product conforms to the following Council Directive:

- Directive 89/336/EEC, 92/31/EEC (EMC)

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Knowing Your VIBRA™ 128 Card

Introduction

Congratulations on your purchase of Creative VIBRA™ 128 audio card. With its high PCI bus speed and high-quality audio performance, VIBRA 128 is the ideal choice for your computer.

Featuring 128-voice wave-table synthesis with high sample rate convertors, VIBRA 128 ensures a high level of audio quality and performance.

In addition, VIBRA 128 supports localized three-dimensional sound immersion and spatial sound enhancement in two-speaker environments. Full duplex operation also allows simultaneous audio recording and playback.

VIBRA 128's compatibility with Sound Blaster PCI ensures you of near perfect Sound Blaster compatibility on legacy applications. Its use of the Plug and Play (PnP) technology also helps make VIBRA 128 one of the easiest audio cards to install.

We believe your VIBRA 128 card will give you years of enjoyment of high-quality sound on your PC.

Checking System Requirements

Your audio card requires at least:

- Pentium class 90MHz or 166MHz (recommended) computer with a free PCI slot
- 16 MB RAM (32 RAM recommended)
- Windows NT 4.0 or Windows 95/98
- Passive or amplified speakers (Cambridge SoundWorks speakers recommended)

Using This Guide

This guide explains the various hardware components on your audio card, and also shows you how to install the card into your computer.

Getting More Information

Document Conventions

Refer to the online VIBRA 128 Help for more information and instructions on how to use the various applications found in your package.

This guide uses the following conventions to help you locate and identify the information you need:

Text In	Represents
bold	Text that must be entered exactly as it appears.
<i>italic</i>	Title of a book or a placeholder, which represents the information you must provide.
UPPERCASE	Directory name, file name, or acronym.
< >	Symbols, letters, and key names on the keyboard.
	The notepad icon indicates information that is of particular importance and should be considered before continuing.
	The alarm clock designates a caution or warning that can help you avoid situations involving risk.

Preliminary Step for Windows 95 users

If you are using Windows 95, you need to find your Windows' version number before you can proceed to the section "To Install VIBRA 128 in Windows 95/98" on page 9.

To find your Windows' version number:

1. Switch on your computer.
2. Click the Start button, point to Settings, and then click Control Panel.
3. In the Control Panel window, double-click the System icon.
Your Windows 95 version number is displayed in the General tabbed page of the Systems Properties dialog box.
4. Note the version number.
The following are possible Windows 95 version numbers:
 - 4.00.950
 - 4.00.950A
 - 4.00.950B
 - 4.00.950C

On the Audio Card



Jacks are one-hole connecting interfaces whereas connectors are multi-pin interfaces..

Your audio card has these jacks and connectors which allow you to attach other devices:

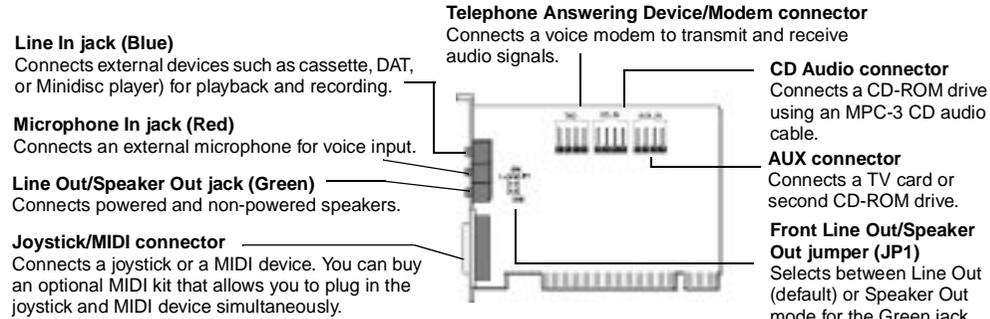


Figure 1: Jacks and connectors on your audio card.

To Install the Card and Related Hardware

1. Switch off your system and all peripheral devices, and then touch a metal plate on your computer to discharge any static electricity.
2. Unplug the power cord from the wall outlet.
3. Remove the cover of your computer to expose the motherboard and PCI slots.
4. Find an available PCI slot. Remove the cover plate at the back of the computer to create an opening for the audio card's jacks. Place the screw aside for later use.
5. Adjust the Line Out/Speaker Out jumper (JP1) as follows:
 - If you are using powered speakers for the Line Out/Speaker Out jack, set the jumper as shown in Figure 2.

- If you are using non-powered speakers for the Line Out/Speaker Out jack, set the jumper as shown in Figure 3.



Figure 2: Jumper settings for Line Out mode (default)



Figure 3: Jumper settings for Speaker Out Mode

6. Align your card's 32-bit slot connector with the expansion slot and press the card into the slot gently and evenly, with the external jacks facing the outside of the computer. Ensure that the bus connector has been pressed in as far as it will go and is sitting firmly inside the expansion slot.
7. Plug the CD-ROM audio cable into the CD Audio connector and plug the speakers into the Line Out/Speaker Out jack (see Figure 1). Make any other internal connections applicable for your computer, including modem or video card connections.
8. Replace the computer cover. Plug all components back into their respective outlets. You may now start the computer.

To Install VIBRA 128 in Windows 95/98

- To Install Audio Drivers
 - For Version (4.00.950/A)
 - For Version (4.00.950B/C)
 - For Windows 98
- To Install Software
- To Test the Installation
- To Uninstall VIBRA 128

Note: When you start your computer after installing the audio card, Windows 95/98 automatically detects the audio card installed in your computer.

To Install Audio Drivers

For Version (4.00.950/A)

1. In the audio card's New Hardware Found dialog box, select the Driver From Disk Provided By Hardware Manufacturer option and click the OK button.
2. Insert the installation CD into the CD-ROM drive.
3. In the Install From Disk dialog box, type **D:\AUDIO\Language\WIN9XDRV** (where D: represents your CD-ROM drive and *Language* represents the language of the software that you want to install) and click the OK button.
4. Follow the instructions on the screen to complete the audio driver installation.

For Version 4.00.950B/C

1. Insert the installation CD into the CD-ROM drive.
2. In the Update Device Driver Wizard dialog box, click the Next button.
3. Click the Other Locations option.
4. Type the path or click the Browse button to select the path of the drivers' location (that is, **D:\AUDIO\Language\WIN9XDRV**, where D: represents your CD-ROM drive and *Language* represents the language of the software that you want to install) and click the OK button.
5. Click the Finish button.
If the system prompts you for the installation CD again, click the OK button and repeat from Step 4.
The audio drivers are copied to your system.

For Windows 98

1. Insert the VIBRA 128 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 path of the drivers' location (that is, **D:\AUDIO\Language\WIN9XDRV**, where D: represents your CD-ROM drive and *Language* represents the language of the software that you want to install) and 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 system when prompted.

To Install Software

1. Make sure that the installation CD is in your CD-ROM drive. Double-click the My Computer icon on your Windows Desktop, then double-click on your CD-ROM drive icon.
2. The VIBRA 128 installation screen appears. Click the OK button.
3. Follow the instructions on screen to complete the installation.
4. Restart your system when prompted.

To Test the Installation

After the drivers are installed, you can use Windows 95/98 Media Player to test whether your audio card is working properly.

1. Click the Start button, point to Programs, point to Accessories, point to Multimedia (for Windows 98, choose Entertainment), and then click Media Player. The Media Player appears as shown in Figure 4.

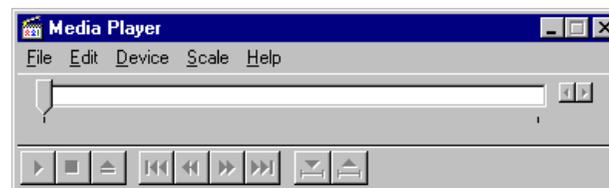


Figure 4: The Media Player Interface

2. On the Device menu, click Sound.
3. In the Open dialog box, select a sound file from the list, and then click the Open button.
4. On the Media Player, click the Play button. You should hear the selected sound being played. If you encounter any problems, consult the “Troubleshooting in Windows 95/98” section of the online VIBRA 128 Help.

To Install Media Player

If you do not have Windows 95/98, follow the steps to install it.

1. Click the Start button, point to Settings, and then click Control Panel.
2. In the Control Panel window, double-click the Add/Remove Program icon.
3. Click the Windows Setup tab.
4. Select the Multimedia check box, and then click the Details button.
5. In the Multimedia dialog box, select the Media Player check box, and then click the OK button.
6. Follow the instructions on the screen to complete the installation.

To Uninstall VIBRA 128

1. Click the Start menu, point to Settings and click Control Panel.
2. Double-click the Add/Remove Programs icon.
3. On the Install/Uninstall tabbed page, select VIBRA 128.
4. Click the Add/Remove button, and then click the Yes button when prompted to remove the software.

To Install VIBRA 128 in Windows NT 4.0

- To Install Audio Drivers
- To Test the Installation
- To Uninstall VIBRA 128
- If a Windows NT 4.0 Service Control Manager error message appears ...

To Install Audio Drivers

1. Insert the installation CD into your CD-ROM drive.
The installation screen appears.
2. Follow the instructions on the screen to complete the installation.

To Test the Installation

You may run a simple application to test the card's MIDI and wave sound playback. This ensures that the card is properly installed and that there are no conflicts in the IRQ, DMA, or I/O settings.

1. In the Start menu, point to Programs, point to Accessories, point to Multimedia, and then click Media Player.
2. On the File menu, click Open.
3. Browse to any folder that contains a file with the extension .wav. Select the file and click the Open button. Click the Play button to play the file.

To Uninstall VIBRA 128

1. Click the Start button, point to Settings and click Control Panel. Double-click the Multimedia icon.
2. From the Audio Devices tabbed page, select any existing audio devices and then click Remove. Click Yes when prompted to remove the driver.
3. Close the Multimedia Properties window and restart your computer.

If a Windows NT 4.0 Service Control Manager error message appears ...

If error messages appear at system restart, it is because you removed an audio card from your computer after you have successfully installed the VIBRA 128 card. The drivers of the removed audio card cannot locate the card.

To solve this problem:

1. Log on to your computer as Administrator.
2. Click the Start button, point to Settings, and then click Control Panel.
3. Double-click the Multimedia icon, and then click the Devices tab.
4. In the list, under these entries

- Audio Devices
- MIDI Devices And Instruments

remove all items except

- Audio for VIBRA 128
- MIDI for VIBRA 128

5. Click the OK button to close the dialog box.
The drivers are removed.

General Specifications

Wave-Table Synthesis

- Creative synthesis engine
- Digital effects engine for reverb and chorus
- 128-voice polyphony and multi-timbral capability
- 2MB, 4MB and 8MB sample sets included

3D Audio Technology

- Support for Microsoft DirectSound and DirectSound3D audio technology in two-speaker mode
- Multi-Algorithm reverb and chorus

Memory Subsystem

- Utilizes system RAM for wave-table samples
- User configurable for 2MB, 4MB or 8MB

MIDI Interface/Joystick Port

- 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

On-Board Connectors

- Line In
- Microphone In
- Line Out/Speaker Out
- MIDI/Joystick port
- Telephone Answering Device In/Out
- CD Audio In
- Auxiliary In

Works With The Following Standards

- Windows 95/98
- Windows NT 4.0
- General MIDI
- Plug-and-Play
- Sound Blaster PCI
- Microsoft DirectSound, DirectSound3D, and derivatives

Audio Mixer

- 6 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