HP Pavilion PC/Compaq Presario PC

Sound Blaster Audigy Audio Card

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Introduction

Thank you for purchasing this Sound Blaster® Audigy™ audio card.

The audio card kit contains:

- These instructions.
- The Sound Blaster Audigy audio card.
- The driver installation CD with software that is compatible with the Microsoft® Windows® XP operating system.

Note: *This audio card can be installed only in motherboards with a PCI add-in (expansion) card slot.*

The Sound Blaster Audigy audio card and software deliver audio clarity comparable to high-end home stereo solutions as well as unprecedented realism in audio playback. With this card, your PC can provide you with the ultimate digital entertainment experience. Using it with four or six speakers gives you realistic 3D surround sound in supported games, movies, CDs, MP3 music, and Internet entertainment.

System Requirements

To use the Sound Blaster Audigy audio card and the included software programs, your PC requires:

- Genuine Intel® Pentium® class processor: 350 MHz (minimum)

Or

- AMD K6 450 MHz (minimum)
- Intel, AMD, or 100 percent compatible motherboard chipset
- Windows XP operating system
- 128 MB RAM (minimum)
- 600 MB of free hard disk space
- Open PCI 2.1 compliant slot
- CD-ROM or DVD-ROM drive for program installation
- Headphones or amplified speakers

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Warning: ***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 manufacturer's 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 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 that is on a circuit different from the receiver.***
- ***Consult the dealer or an experienced radio/TV technician for help.***

Warning: ***The use of shielded cables for connection of the monitor to the audio card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.***

Installing the Audio Card

Before beginning, read and follow all safety information and warnings provided in the upgrading and servicing documentation that came with your PC.

To install the Sound Blaster Audigy audio card, you need to open your PC. Refer to the instructions for installing add-in (expansion) cards in the upgrading and servicing documentation that came with your PC.

Warning: ***Electrostatic discharge (ESD) can damage disk drives, add-in cards, and other components. If an ESD station is not available, wear a wrist strap attached to a metal part of the PC. Place cards on a conductive foam pad or inside the card wrapper, if possible, but never on the card wrapper.***

Warning: ***The PC is heavy; be sure to use ergonomically correct lifting procedures when moving the PC.***

Note: *If your PC has a motherboard that contains a combination modem/audio card, the sound may not work properly with the Sound Blaster Audigy audio card also installed. If you remove this modem/audio card, you will need a new modem to use the Sound Blaster Audigy audio card.*

What You Need

- Sound Blaster Audigy audio card
- Phillips screwdriver

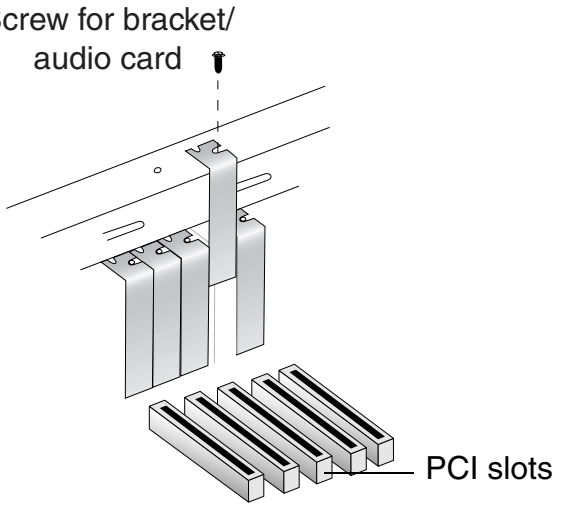
To Install the Audio Card

1 Turn off the PC and all peripherals.

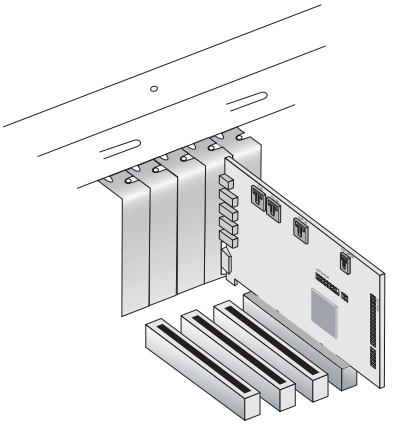
2 Disconnect the power cord and all other attached cables from the PC.

Caution: ***The audio card can be damaged if power is supplied to the PCI slot when the card is inserted.***

3 Open the PC. Refer to the instructions in the upgrading and servicing documentation that came with your PC.



4 Remove the bracket of an unused PCI (expansion) slot if you do not already have an audio card installed, or remove the existing audio card. Put the screw aside.



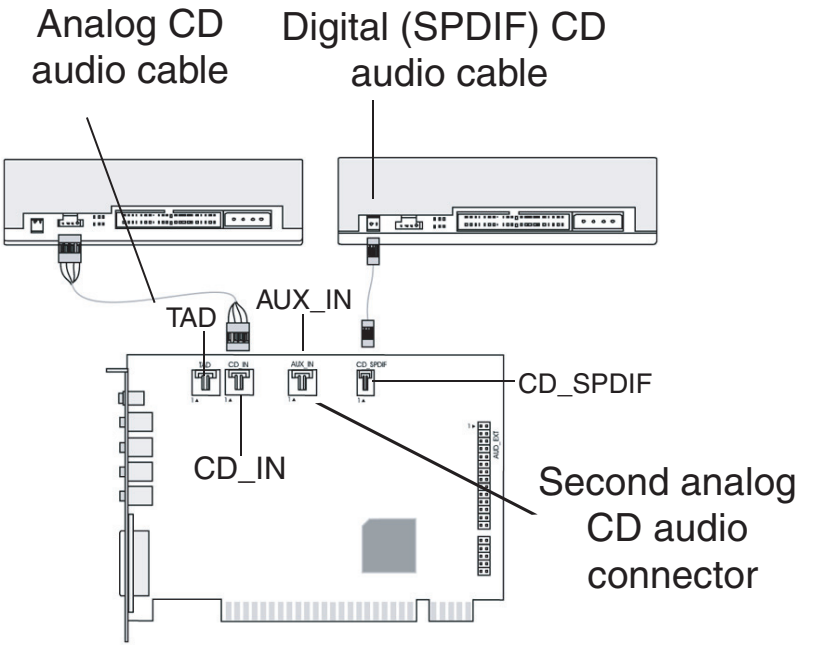
5 Align the Sound Blaster Audigy audio card with the PCI slot, and press the card gently but firmly into the slot. Do not force the audio card into the slot. Make sure that the gold finger PCI connector on the Sound Blaster Audigy audio card is aligned with the PCI bus connector on the motherboard before you insert the card into the PCI expansion slot. If it does not fit properly, gently remove it and try again.

6 Secure the Sound Blaster Audigy audio card with the screw removed in step 4.

7 This is an optional step. Connect an analog CD audio cable (purchased separately) from the analog audio connector on your CD-ROM or DVD-ROM drive to the CD_IN connector on the Sound Blaster Audigy audio card. If you have two drives that have analog audio capability, you can connect the second analog CD audio cable from the analog audio connector on your second CD-ROM or DVD-ROM drive to the AUX_IN connector.

Note: *For more information about connecting analog or digital audio cables, refer to the Sound Blaster Audigy* User's Guide.

8 This is an optional step. For digital CD audio output that has an MPC-to-MPC, 2-pin digital CD audio connector (SPDIF), connect a digital (SPDIF) CD audio cable (purchased separately) from the digital audio connector on your CD-ROM or DVD-ROM drive to the CD_SPDIF connector on the Sound Blaster Audigy audio card.



9 Close the PC.

10 Connect the power cord and the cables to the PC.

Installing the Software

To use Sound Blaster Audigy on Windows XP operating systems, install the device drivers and software included on the driver installation CD. To do this:

1. After you have installed the Sound Blaster Audigy audio card, turn on your PC. The Windows Plug and Play feature automatically detects the audio card and device drivers. If the New Hardware Found dialog box appears, click the **Cancel** button.
2. Insert the driver installation CD into the CD-ROM or DVD-ROM drive.
3. Follow the onscreen instructions to install the Sound Blaster Audigy software.

Note: *In the Speaker Preset Setup screen, select the number of speakers you will be using to hear proper sound from all speakers.*

If this Sound Blaster Audigy screen does not appear automatically, open **My Computer** and right-click the CD-ROM or DVD-ROM drive icon that contains the driver installation CD, and then click **AutoPlay**. Follow the onscreen instructions to install the Sound Blaster Audigy software.

For more information about the Sound Blaster Audigy software, refer to the Sound Blaster Audigy *User's Guide* or *Online Manual*.

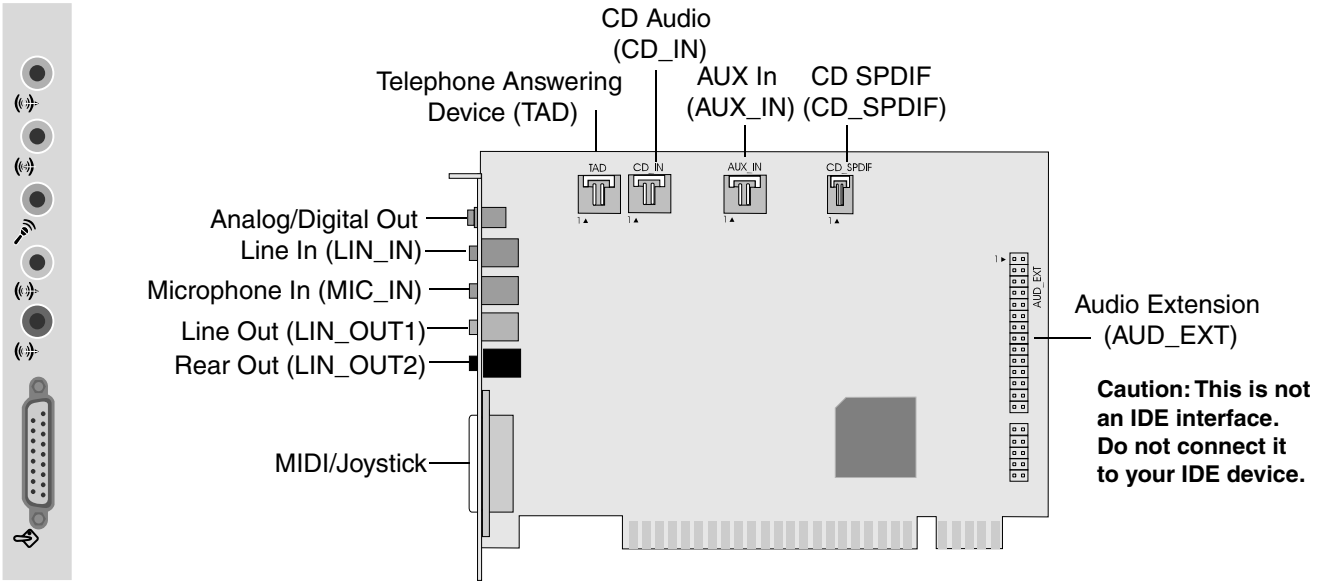
To open the *User's Guide* or *Online Manual*:

1. Click **Start** on the taskbar.
2. Choose **All Programs**, **Creative**, **Sound Blaster Audigy**, and then click **User's Guide** or **Online Manual**.

Using Your Audio Card

Audio Connectors

Your audio card connectors listed here allow you to attach the card to other devices. For more information about connecting other devices, refer to the Sound Blaster Audigy *User's Guide* or *Online Manual*.



Analog/Digital Out

Analog/Digital Out (orange jack):

In Analog mode, connects to Center and Subwoofer channels of a 5.1 speaker system.

In Digital mode, connects to external digital devices or digital speaker systems, MiniDisk or DAT.

Line In

Line In (LIN_IN) (blue jack) connects to an external device such as a cassette, DAT, or a CD player.

Microphone In

Microphone In (MIC_IN) (pink jack) connects to an external microphone for voice input. Microphones may be used to record music, make voice annotations, or turn your PC into a speakerphone.

Line Out

Line Out (LIN_OUT1) (green jack) connects to powered speakers or to an external amplifier for audio output. Line Out also supports headphones.

In analog mode, Line Out and Rear Out connectors can be used simultaneously for 4.1 channel or quadraphonic speaker systems.

Rear Out

Rear Out (LIN_OUT2) (black jack) connects to powered speakers or to an external amplifier for audio output.

In analog mode, Line Out and Rear Out connectors can be used simultaneously for 4.1 channel or quadraphonic speaker systems.

Joystick/MIDI

Joystick/MIDI (Musical Instrument Device Interface)/(gold, 15-pin connector) connects to a game port joystick or to a MIDI device, such as a MIDI keyboard. A MIDI device allows you to connect external electronic musical instruments to your PC.

The joystick connector is a standard PC game control adapter. You can connect any analog joystick with a 15-pin D-shell connector or any device compatible with the standard PC joystick to the connector. To use two joysticks, use a Y-cable splitter.

Telephone Answering Device

The Telephone Answering Device (TAD) provides a connection from a standard voice modem and transmits microphone signals to the modem.

CD Audio

CD Audio (CD_IN) connects to the analog audio output on a CD-ROM or DVD-ROM drive through a CD audio cable.

AUX In

AUX In (AUX_IN) connects to internal audio sources such as TV Tuner, MPEG, or other similar cards.

CD SPDIF

CD SPDIF (CD_SPDIF) connects to the SPDIF (digital audio) output on a CD-ROM or DVD-ROM drive. This is an MPC-to-MPC (2 pin) digital audio CD connector.

Audio Extension

Audio Extension (AUD_EXT) header connects to the Audigy drive upgrade option (available only on some models).

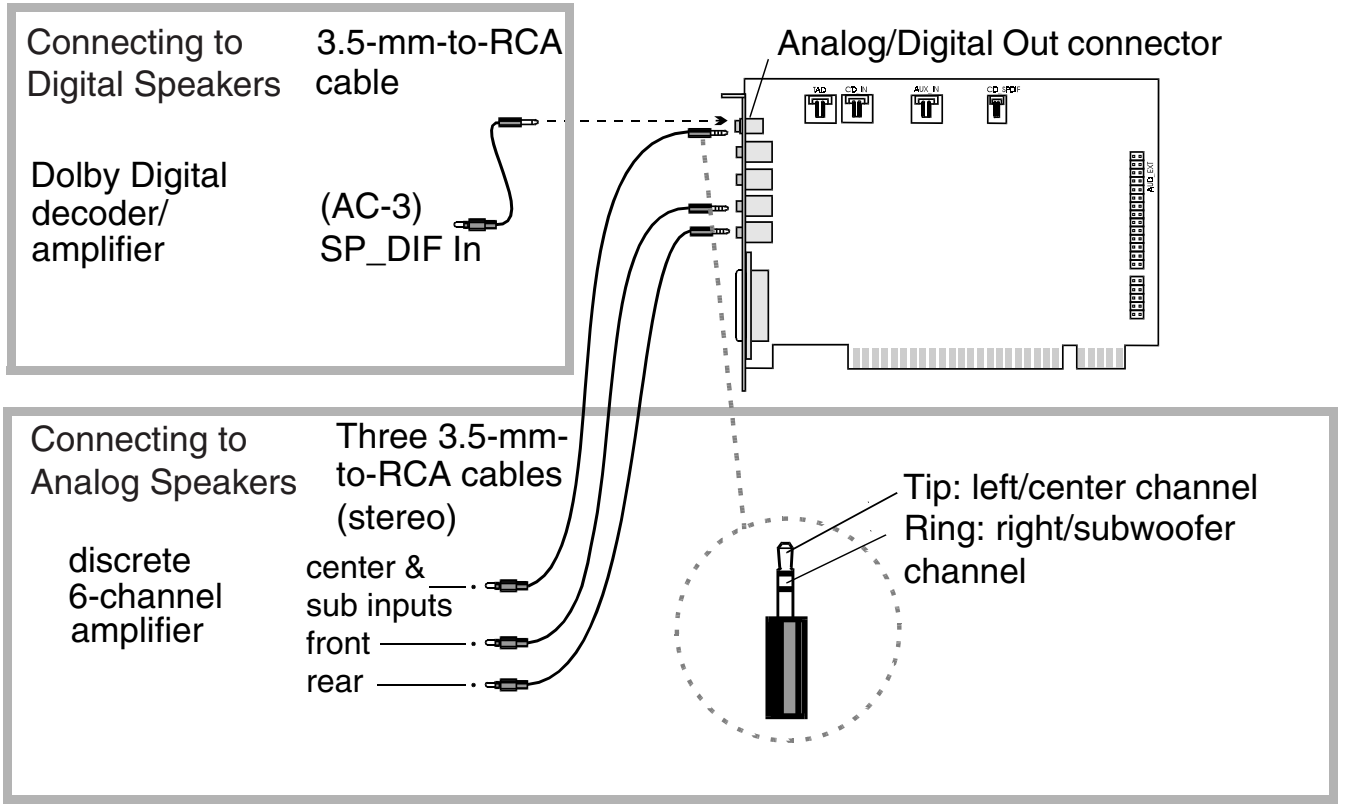
Connecting Speaker Systems

To watch DVD movies, play games, or to listen to music on your PC, connect analog or digital speakers to the Sound Blaster Audigy audio card.

Connecting Digital or Analog Speakers

To connect digital speakers, use a 3.5-mm-to-RCA cable to plug the digital speakers into your SP_DIF connector. Refer to the following diagram.

To connect 5.1 analog speakers, use a triple stereo audio cable or three pairs of 3.5-mm-to-RCA (stereo) cables. Connect the front speakers to the green connector, the rear speakers to the black connector, and the center/subwoofer speakers to the orange connector of the Sound Blaster Audigy audio card.


Connecting to Digital Speakers
3.5-mm-to-RCA cable
Dolby Digital decoder/ amplifier
(AC-3) SP_DIF In
Analog/Digital Out connector
Connecting to Analog Speakers
Three 3.5-mm-to-RCA cables (stereo)
discrete 6-channel amplifier
center & sub inputs
front
rear
Tip: left/center channel
Ring: right/subwoofer channel

Selecting Speaker Setup Option

Your PC may have come set up to produce sound through two speakers and, depending on the speakers you have, a subwoofer too.

Because Sound Blaster Audigy audio card supports 4 or 6 (5.1 channel) speaker systems, you may intend to use these speakers with your PC. If you have a 4 or 6 (5.1 channel) speaker system, follow these steps to get proper sound from all speakers.

Important: *Speaker setup cannot be changed from the Control Panel. You must select speaker setup in the Creative Sound Blaster Audigy program.*

To set up your speakers in Sound Blaster Audigy

1. Connect all speakers to the correct audio connectors on the subwoofer and the PC. Refer to the manufacturer's documentation included with your speakers.
2. Click **Start** on the taskbar.
3. Choose **All Programs**, **Creative**, **Sound Blaster Audigy**, and then click **Creative AudioHQ**.
4. Double-click the **Speaker** icon.
5. Select **Headphone**, **2 Speakers**, **4 Speakers**, or **5.1 Speakers** from the Speakers drop-down menu. For digital speakers, place a check mark in the Digital Output Only check box.
6. Close the Surround Mixer and AudioHQ windows.

Now sound can be heard properly from all available speakers.

System Recovery

After a system recovery, you must reinstall the Sound Blaster Audigy software and reselect your speaker setup options.

If you lose sound from your speakers after you restart your PC, you may need to reselect the speaker option using the procedure listed in the previous section.

Getting More Information

User's Guide and Online Manual

After you install the Sound Blaster Audigy driver installation CD, you can use the Sound Blaster Audigy *User's Guide* and *Online Manual* to find more information about how to use your new audio card, and how to troubleshoot problems.

To open the *User's Guide* or *Online Manual*:

1. Click **Start** on the taskbar.
2. Choose **All Programs**, **Creative**, **Sound Blaster Audigy**, and then click **User's Guide** or **Online Manual**.

Technical Support

To receive technical support or more information about your Sound Blaster Audigy audio card, go to the Creative Web site at

http://www.creative.com

To receive the latest software and driver updates or to find Creative technical support numbers for your country/region, go to the Sound Blaster Web site at

http://www.soundblaster.com

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