PCI Express 7.1 Channel Sound Card

User Manual

Ver. 1.00

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Features

- Compatible with PCI Express 1.1 interface with bus mastering and burst modes
- Audio format supports 192K/176.4K/96K/88.2K/48K/44.1K and 16/24bits resolution
- Integrated 192K/176.4K/96K/88.2K/48K/44.1K, and 16/24-bit SPDIF transmitter/Receiver

System Requirements

- PCI Express-enabled system with an available PCI Express slot
- Windows® XP/Vista/7/8 (32/64 bit)
- DirectX 8.1 above is required

Package Contents

- 1 x PCI Express 7.1 Channel Sound Card
- 1 x Driver CD
- 1 x User Manual
- 1 x Mini-DIN to 3.5mm fan-out cable

Note: Contents may vary depending on the market/country.

Hardware Installation

1. Turn off the computer, Unplug the power cord.
2. Open the computer case. Check with your computer manufacturer if you need additional instructions. Remove any old third-party sound cards or the metal PCIe slot bracket.
3. Insert the sound card into a blank PCIe slot. Make sure that all of its pins are touching the PCIe slot's contacts.
4. Check the sound card is inserted into the PCIe slot firmly, and secure it with a screw.
5. Close the case. Plug in the power cord and other cables.
6. Connect the Mini-DIN to 3.5mm fan-out cable bundled in this package and use for 8-channel line output jack.

Driver Installation
For Windows® XP/Vista/7/8 (32/64 bit)

1. Insert the provided CD into your disk drive. The CD-ROM will start automatically. The following screen will show up and please click "**Install Driver**".

*Note: Actual image may vary

Note: If the install program doesn't run automatically, please locate and double-click on the **Autorun.exe** file in the CD to launch the install program.

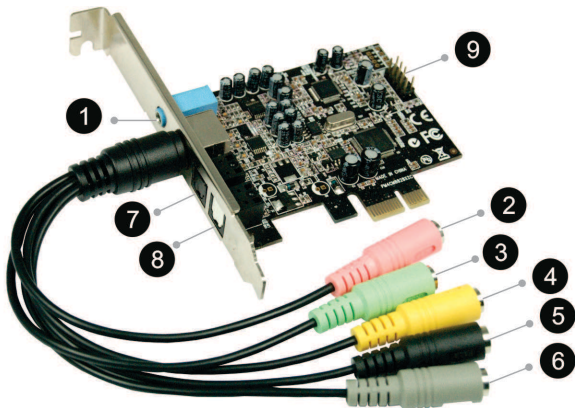2. Please click "**PCI Express**".

*Note: Actual image may vary

3. Please click "**CM8828 8CH**" to start the installation.

*Note: Actual image may vary

4. Follow the instructions on screen to install the driver.

Physical Connections

The rear panel of this 7.1 Channel PCIe Sound Card has the following jacks:

1. **Line In (blue):** Connect to tape/CD/DVD player, or other audio sources for output mixing and/or recording
2. **MIC In (pink):** Connect to microphone
3. **Front Speaker (green)**: Connect to headphone or amplifying speakers
4. **Center/Subwoofer (orange)**: Connect to center/subwoofer speakers while 6/8 channel speaker mode is enabled (via external amplifier)
5. **Side-Speaker (black)**: Connect to side speakers while 8 channel speaker mode is enabled (via external amplifier)
6. **Rear-Speaker (gray)**: Connect to rear speakers while 4/6/8 channel speaker mode is enabled (via external amplifier)
7. **S/PDIF In**: Connect to digital output of external audio device via an optional S/PDIF cable
8. **S/PDIF Out**: Connect to digital input of external audio device via an optical S/PDIF cable

Please refer to the audio configuration table below for the function of the audio ports in 2, 4, 6, 8-channel configuration.

Port	2-channel	4-channel	6-channel	8-channel
Green	Line Out	Front Speaker	Front Speaker	Front Speaker
Gray	-	Rear Speaker	Rear Speaker	Rear Speaker
Orange	-	-	Center /Subwoofer	Center /Subwoofer
Black	-	-	-	Side Speaker

In addition to the rear panel jacks, this 7.1 Channel PCIe Sound Card also has the following internal connection:

	The Function
9. Front panel audio header	Intel HAD front-panel compatible and supports HP jack-detection and automatically switches audio output from the back panel to the front panel. Supports both front-panel and sound card Mic input mixing