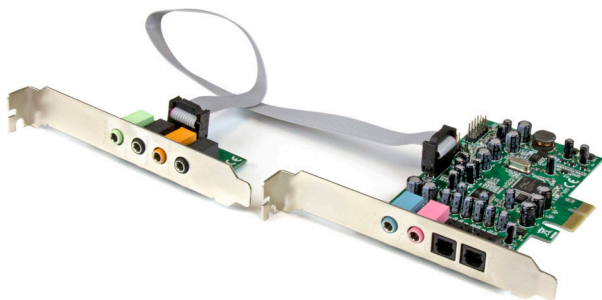


7.1 Channel PCI Express Digital Surround Sound Card - 24 Bit / 192KHz

PEXSOUND7CH



*actual product may vary from photos

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

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For the most up-to-date information, please visit: www.startech.com

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Introduction

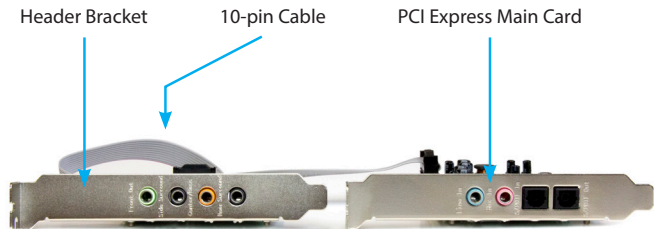
Packaging Contents

- 1x 7.1 Channel PCI Express Sound Card with Header Bracket & 10-pin Cable
- 2x Low-Profile Brackets
- 1x Instruction Manual

System Requirements

- PCI Express enabled computer with an available PCI Express x1 slot or higher (x4, x8, x16)
- Optional - Additional header bracket slot on your computer case if installing and using the Header Bracket
- Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64)

Product Diagram



Main Card

1. Analog Left / Right Line Input

2. Analog Left / Right Microphone Input

3. S/PDIF Input - Connect to digital amplifier or decoder

4. S/PDIF Output - Connect to digital amplifier or decoder

5. PCI Express x1 Connector - Connect to PCI Express slot on computer motherboard

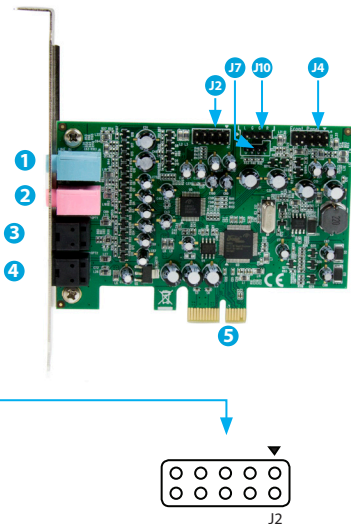
J2. 10-Pin Header - Connects Main Card to Header Bracket using the provided 10-pin cable

Note: The red color coded line on the provided 10-pin cable should connect to pin number 1 which is represented by a silkscreen triangle on the card, next to the header

J4. 9-Pin Header - For connecting to Intel HD front panel audio

J7. Analog CD-Input Header - Signal G-R-G-L

J10. Analog CD-Input Header - Signal L-G-G-R



Header Bracket

6. Front Left / Right Analog Output

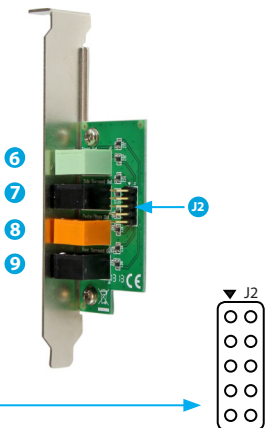
7. Side Surround Left / Right Analog Output

8. Center / Subwoofer Analog Output

9. Rear Surround Left / Right Analog Output

J2. 10-Pin Header - Connects Header Bracket to Main Card using the provided 10-pin cable

Note: The red color coded line on the provided 10-pin cable should connect to pin number 1 which is represented by a silkscreen triangle on the card, next to the header



Internal Headers

The internal header pinout is silkscreen labeled directly on the Main Cards board, next to the header pins.

J7. Analog CD-Input Header: Signal G-R-G-L

Pin #	Description
G	Right channel ground
R	Right channel signal
G	Left channel ground
L	Left channel signal

J10. Analog CD-Input Header: Signal L-G-G-R

Pin #	Description
L	Left channel signal
G	Left channel ground
G	Right channel ground
R	Right channel signal

Installation

Hardware Installation

WARNING!

PCI Express cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI Express card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI Express card by its edges and not the gold connectors.

1. Turn your computer off and any peripherals connected to the computer (i.e. printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer and disconnect all peripheral devices.
2. Remove the cover from the computer case. (See your computer system documentation for details).
3. Locate an open PCI Express x1 slot and remove the metal cover plate on the rear of the computer case. (See your computer system documentation for details).

Note: This card will work in PCI Express slots of additional lanes (i.e. x4, x8, or x16 slots).

4. If using the Main Card in conjunction with the Header Bracket, remove a second metal cover plate on the rear of the computer case. (See your computer system documentation for details).

Note: If using the Main Card in conjunction with the Header Bracket, if not already connected, you must use the provided 10-Pin Cable to connect the Main Card and Header Bracket together via the J2 10-Pin Headers. The red color coded line on the 10-pin cable should connect to pin number 1 which is represented by a silkscreen triangle next to the header on the Main Card and the Header Bracket.

5. Gently insert the Main Card into the open PCI Express slot and fasten the bracket to the rear of the computer case. If using the Header Bracket, fasten the bracket to the computer case in the location where you removed the second metal cover plate in step #4.

Note: If installing the Main Card and Header Bracket into a small form-factor/low-profile desktop system, replacing the pre-installed standard-profile brackets with the included low-profile (half-height) installation brackets may be necessary.

6. **OPTIONAL:** If desired, connect Intel HD front panel audio to the Main Cards J4 9-Pin Header (cable not included). Once connected, you can switch the audio output through the front panel.
7. **OPTIONAL:** To connect an existing CD/DVD drive's analog audio signal to the sound card, use an appropriate audio cable (supplied with CD/DVD drive) from the audio output on the CD/DVD drive to one of the input headers on the card. Connect to the appropriate header depending on the make of CD/DVD drive

Header	CD/DVD Drive Brand
J7	Panasonic
J10	Sony

- Place the cover back onto the computer case.
 - Insert the power cable into the socket on the power supply of the computer, and reconnect all other connectors removed in Step 1.
 - Connect your speakers, audio sources, microphones etc, to the Main Card and Header Bracket as desired.
- Note:** If using a pair of stereo speakers (2 channels), or stereo headphones, connect using the #6. Front Left / Right Analog Output on the Header Bracket.

Driver/Software Installation & Operation

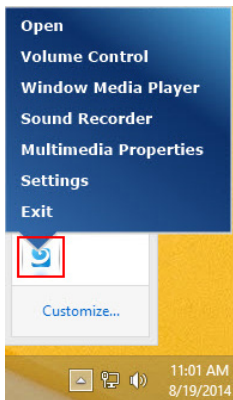
Windows®

Depending on your Operating System version, the card may auto-install with native drivers, however, follow the steps below to fully update and complete the driver / software installation process.

- Upon starting Windows, if the Found New Hardware dialog appears on the screen, cancel/close the window.
- Download the latest drivers from the www.startech.com website (recommended), applicable to the Operating System on the host computer that you are installing the card to.
- Browse to the downloaded driver file location and run the **“.exe” install application** applicable to the Operating System on the host computer that you are installing the card to. Follow any on-screen instructions to complete the driver installation process.

Note: You may be prompted to restart your system.

- The Xear Audio Center icon should appear in your Windows task bar once installation is complete and installation was successful.
- To access the Xear Audio Center, click on the icon within the Windows task bar. Use the Xear Audio Center as desired to control various functions and settings.



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.

For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a two 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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