

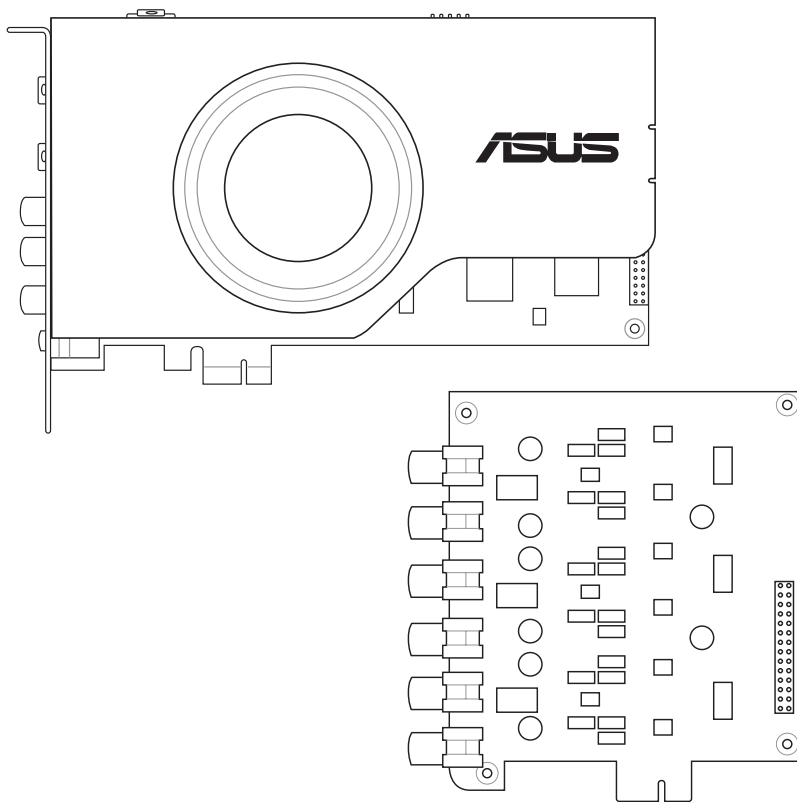


E3910
First Edition V1
May 2008

Xonar HDAV 1.3 (Deluxe)

Audio/Video enhanced combo card

Quick start guide



1. Package contents

Check your ASUS Xonar HDAV 1.3 (Deluxe) card package for the following items:

- ASUS Xonar HDAV 1.3 PCI Express AV card
- ASUS Xonar H6 DAC extension board (Deluxe only)
- H6 extension board cable x1 (Deluxe only)
- HDMI cable x1
- DVI-to-HDMI cable x1
- Stereo RCA-to-3.5mm cable x1 (x4 for Deluxe)
- S/PDIF TOSLINK optical adapter x1
- Support CD (including ASUS Gamer OSD and RMAA V6.0.6 utilities)
- Quick start guide
- TotalMedia Theatre Bluray Disc/HD-DVD Software Player (ArcSoft) CD

2. System requirements

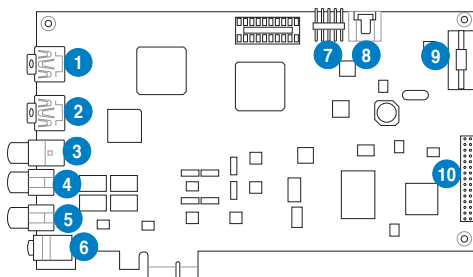
To ensure a successful installation of the Xonar HDAV 1.3 (Deluxe) card, your computer must meet the following requirements:

- One DVI/HDMI graphics output (to AV card for HDMI function)
- One PCI Express 1.0 (or higher) compatible slot for the HDAV card, and one adjacent slot for the H6 DAC extension board
- One available 4-pin ATX power cable from PC's power supply unit
- Microsoft® Windows® Vista/ XP(32/64bit)/ MCE2005
- Intel® Pentium® 4 1.4GHz or AMD Athlon 1400 CPU or faster CPU
- 256 MB DRAM system memory
- 100 MB available HDD space for driver installation package
- CD-ROM for software installation or Blu-ray/HD-DVD ROM (for HD movies playback)
- An HDMI-ready AV receiver or TV/monitor set (v.1.3 is better), home theater system, high-quality headphones, or powered analog speakers, to enjoy the ultra-high fidelity audio and video of the AV card

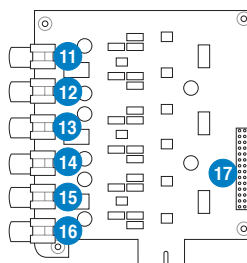
3. Hardware introduction

3.1 Xonar HDAV 1.3 Deluxe card layout

Xonar HDAV card



H6 DAC Extension board



No	Item	Description
1	HDMI In port (for DVI signal input)	Connects to the DVI port of a graphics card using the bundled HDMI-to-DVI cable for DVI signal transmission, or connects to the HDMI Out port of an HDMI graphics card using an HDMI cable.
2	HDMI Out port	Connects to a device with HDMI support.
3	S/PDIF Out port	Coaxial and optical TOSLINK combo digital output port. Connects to an external digital decoder or digital speaker systems, Home Theater systems, AV receivers for outputting digital audio including PCM, Dolby Digital, DTS, WMA-Pro, etc.
4	Front Right Out port	Connect the Right audio cable (red) from your 2/2.1 channel speakers to this port. For multi-channel speaker systems, connects to the Front Right In port on the powered speakers.
5	Front Left Out port	Connect the Left audio cable (white) from your 2/2.1 channel speakers to this port. For multi-channel speaker systems, connects to the Front Right In port on the powered speakers.
6	Microphone In port	Connect your external PC microphone to this 3.5mm port for voice input. Built-in high-quality Microphone pre-amplifier.
6	Line In port	Connect analog devices like MP3 players, CD players, music synthesizers and other line-level sound sources to this 3.5mm port for audio recording or processing. (Through Ultra-high fidelity 120dB SNR A-D converter)
6	S/PDIF In port	Optical TOSLINK digital input jack. Connects to external digital audio sources such as MD players, CD players, or DVD players, for audio recording or loopback.

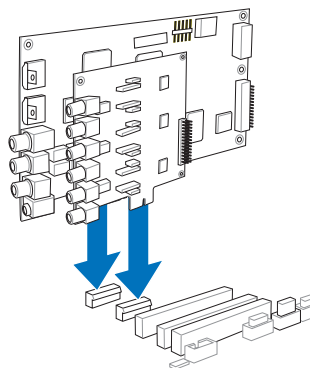
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7	Front panel audio header	Connect one end of the front panel audio cable to the front panel audio header on the Xonar HDAV 1.3 card, with the other end to the chassis-mounted front panel audio I/O module.
8	Aux Input Header	Usually connects to the Analog Audio output of TV tuner card or other sound source inside your PC system. (To monitor your TV tuner card's audio from this Aux-In, you must enable the "monitor" function for Aux-In in the Xonar HDAV Center 's recording mixer.)
9	Power Connector	Connects to the power cable of your power supply.
10	Bridge connector	Connects to the extension board with the bundled bridge cable.
11	Right Side Surround Out port	Connects to the surround channel input on 4/5.1/6.1/7.1 powered analog speakers.
12	Left Side Surround Out port	Connects to the surround channel input on 4/5.1/6.1/7.1 powered analog speakers.
13	Center Out port	Connects to the front center input on 5.1/6.1/7.1 powered analog speakers.
14	Subwoofer Out port	Connects to the front subwoofer input on 6.1/7.1 powered analog speakers.
15	Right Back Surround Out port	Connects to the Right Back Surround input on 6.1/7.1 powered analog speakers.
16	Left Back Surround Out port	Connects to the Left Back Surround input on 6.1/7.1 powered analog speakers.
17	Bridge connector	Connects to the Xonar HDAV card with the bundled bridge cable.

3.2 Card installation

Securing the Xonar HDAV card and the H6 extension board:

1. Power OFF the computer, the monitor, and all other peripheral devices connected to your computer.
2. Unplug the computer power cord from your computer and power outlet.
3. Touch the metal back or side panel of the computer to avoid static electricity.
4. Remove the chassis cover.
5. Remove the metal brackets from an available PCI Express x1 slot for the Xonar HDAV card and its adjacent slot for the extension board.



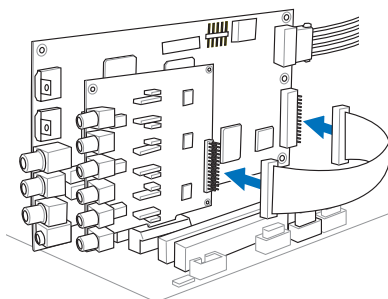
- Carefully insert the Xonar HDAV card into the PCI Express x1 slot and the extension board into the other adjacent slot. Ensure both the Xonar HDAV card and the extension board sit properly in place.
- Secure both the Xonar HDAV card and the extension board with screws or metal brackets.

Connecting cables:

- Using the bridge cable, connect the Xonar HDAV card to the extension board.
- Connect a 4-pin ATX power cable to the ATX power connector on the card.



The Xonar HDAV card requires additional power to work. Ensure that you connect the ATX power connector to the card to provide ample power.

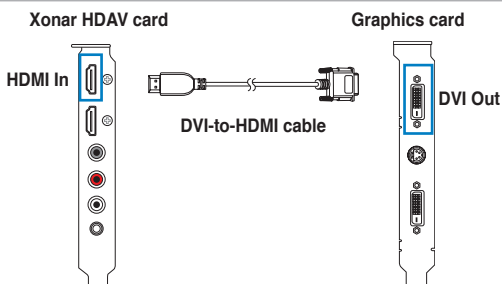


Connecting to a discrete graphics card and an HDMI display device:

- Install a discrete graphics card on your motherboard.
- Using the bundled DVI-to-HDMI cable, connect the DVI Out port of the graphics card to the HDMI In port of the Xonar HDAV card.



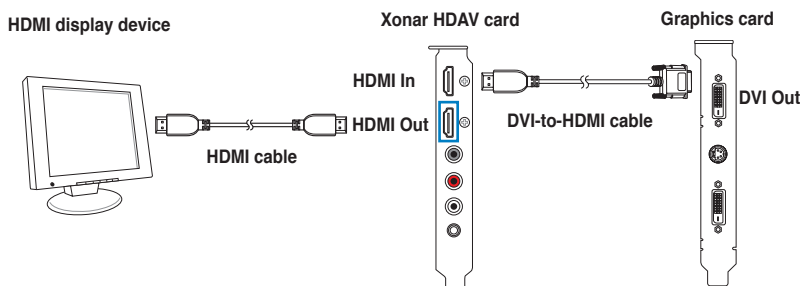
If you are using an HDMI graphics card, connect your graphics card with the Xonar HDAV card using the HDMI cable that comes with your graphics card package.



- Using an HDMI cable, connect one end to the HDMI out port of the Xonar HDAV card and the other end to the HDMI display device.



- Ensure that you have properly connected the DVI-to-HDMI cable for normal video signal transmission. Otherwise, there might be no video on your HDMI display device.
- HDMI AV output will work only when the source graphics card and the terminal display device are both properly connected to the Xonar HDAV card's HDMI input/output ports.



4. Driver installation

Installing the Xonar HDAV card driver



- Ensure that you have installed the VGA card driver before installing the Xonar HDAV driver. Otherwise, driver installation error may occur.
- Some LCD TVs with HDMI inputs do not support PC video resolutions and may lose audio signals as well, excepting on the following video resolutions: 480i/p (640x480, 720x480), 720p (1280x720), and 1080i/p (1920x1080). Hence, it is suggested that you set your LCD TV to one of these TV resolutions.
- If you are using an ASUS graphics card with the ASUS Enhance Display driver installed, ensure to remove the driver before installing the Xonar HDAV driver. Otherwise, the GamerOSD driver installation error may occur.

- After you have installed the Xonar HDAV card, turn on your computer. Windows® automatically detects the HDAV card and searches for device drivers. When prompted for the drivers, click **Cancel**.
- Insert the support CD into the optical drive. If Autorun is enabled in your system, the setup starts automatically. If not, run **setup.exe** from your support CD.
- Follow the on-screen instructions to finish the installation.



The version and content of the driver CD are subject to change without notice.