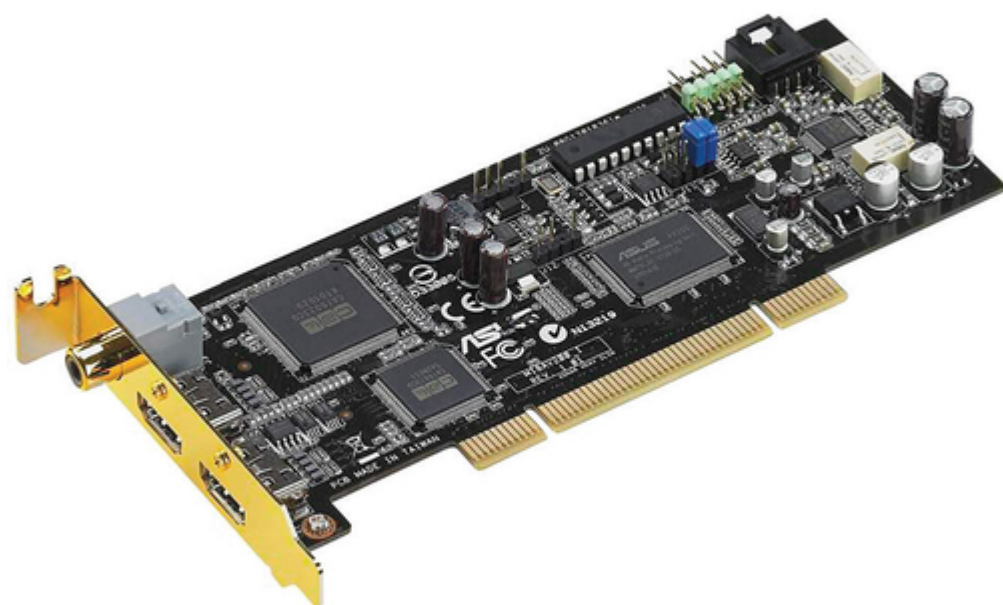




Asus Xonar HDAV1.3 Slim User Manual

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Xonar HD[®]AV Slim

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[Sound Card Asus HDAV1.3 - Xonar Slim Sound Card User Manual](#)

User manual (100 pages)

[Computer Hardware Asus Xonar HDAV Slim User Manual](#)

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[Computer Hardware Asus ROG Front Base User Manual](#)

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Summary of Contents for Asus Xonar HDAV1.3 Slim

[Page 1](#) Xonar HDAV Slim AVcard User manual...

[Page 2](#) Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification of alteration is authorized in writing by ASUS; or (□) the serial number of the product is defaced or missing.

[Page 3: Table Of Contents](#)

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[Page 4: Notices](#)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This class B digital apparatus complies with Canadian ICES-003. ASUS Xonar HDAV Slim...

[Page 5: Safety Information](#)

Trademarks Xonar and ASUS logo are trademarks of ASUSTek Computer Inc. "Dolby" and "Dolby Digital Live", "Dolby Pro Logic IIx", "Dolby Virtual Speaker", "Dolby Headphone" are trademarks of Dolby Laboratories. "DTS" and "DTS CONNECT", "DTS Interactive", "DTS Neo: PC"...

[Page 6: Introduction](#)

Introduction Package contents Check your ASUS Xonar HDAV 1.3 Slim AV card package for the following items: • ASUS Xonar HDAV 1.3 Slim PCI AV card • HDMI cable x1 • DVI-to-HDMI cable x1 • S/PDIF TOSLINK optical adapter x1 •...

[Page 7: Specifications Summary](#)

Specifications summary Items Description Main Chipset ASUS AV200 High-Definition Audio Processor (Max. Audio Processor 192KHz/24bit) HDMI Transceiver CAT 6023 and 6613 (HDMI v1.3a compatible) Wolfson WM8776 on AV card 24-bit DAC of Digital Sources: (Max. 192kHz/24bit) 24-bit ADC for Analog Inputs: Wolfson WM8776 Max.

Page 8 Software Utility 7.1-ch Blu-ray disc/HD-DVD/DVD movie player TotalMedia Theatre supports HD video/audio decoding Accessories -HDMI cable*1 -DVI-to-HDMI cable *1 Accessories -S/PDIF TOSLINK optical adaptor -Low profile PCI bracket *1 *Specifications are subject to change without notice. ASUS Xonar HDAV Slim...

[Page 9: Hardware Overview](#)

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.) ASUS Xonar HDAV Slim...

[Page 10: Installing The Hardware](#)

Power off your computer and disconnect the power cord. Open the computer chassis. Remove the metal bracket from one unused PCI slot for the Xonar HDAV Slim card. ASUS Xonar HDAV Slim...

[Page 11: Card Installation](#)

If you are using an HDMI graphics card, connect your graphics card with the Xonar HDAV Slim card using the HDMI cable that comes with your graphics card package. Xonar HDAV Slim card Graphics card HDMI In DVI Out DVI-to-HDMI cable ASUS Xonar HDAV Slim...

[Page 12: Connecting To A Tv Tuner Card](#)

Using this setup, you can even turn on sound effects such as Pro-Logic IIx to expand the stereo TV audio to 5.1 or 7.1 channel surround sound. TV audio on your PC will become even better than on your TV set. ASUS Xonar HDAV Slim...

[Page 13: Installing Software](#)

If not, run setup. exe from the installation CD. Follow the onscreen instructions to complete the installation. When prompted, enter the license key located on the installation CD sleeve. ASUS Xonar HDAV Slim...

[Page 14: Connecting Speakers And Peripherals](#)

You can also use a coaxial cable for a S/PDIF connection. Just plug the coaxial RCA male

connector to the S/PDIF-Out combo port and connect the other end into the coaxial S/PDIF input on your decoder. ASUS Xonar HDAV Slim...

[Page 15: Xonar Hdav Center](#)

Xonar HDAV Center utility. If the icon could not be found in the system tray, launch the Xonar HDAV Center from the Windows desktop by clicking Start > All Programs > ASUS Xonar HDAV > Xonar HDAV Center.

[Page 16](#) Item Description Support link Clicking this button will lead you to the ASUS official website. Display Area This display area shows the 10-band signal meter, volume level, and the status of the Dolby/DTS technologies, EQ, and DSP modes. Note: this area just displays information, but is not used to alter settings.

[Page 17: Audio-Main Setting](#)

Clicking this button will pop up an advanced setting window to allow you to: -Swap center/bass outputs for 5.1/7.1-speaker setups -Swap Side/Surround outputs for 7.1-speaker setups Check the box if your speakers are outputting the incorrect channel. Otherwise, leave them blank. ASUS Xonar HDAV Slim...

[Page 18](#) Click the “play” button to test each speaker one by one or click each speaker manually to test. Note: the Speaker Test function is not available on Windows Vista due to a limitation in its audio stack. ASUS Xonar HDAV Slim...

[Page 19: Sample Rate](#)

Xonar HDAV Slim card supports sample rates up to 192KHz (44.1K, 48K, 96K, 192KHz). Typical values: -Audio CD, MP3, WMA, Wave files are 44.1KHz; -The audio of DVD-Video is 48KHz; -DVD-Audio or other HD media may contain 96KHz or 192KHz high-definition audio content. ASUS Xonar HDAV Slim...

[Page 20](#) -S/PDIF In Loopback to output (typically useful for coaxial/ optical connection transformation) Dolby Digital Live This advanced setting will automatically upmix stereo (2ch) advanced upmixing content to 5.1 channel surround with Dolby Pro-Logic II when option using Dolby Digital Live output. ASUS Xonar HDAV Slim...

[Page 21](#) -MP3, WMA, AAC, CD, VCD, DVD games => 2 channels -DVD-Video with Dolby Digital or DTS 5.1 => 6 channels -DVD-Video with Dolby Digital EX or DTS ES => 8 channels -3D games => 8 channels ASUS Xonar HDAV Slim...

[Page 22](#) Make all speakers (except Subwoofer) rotate clockwise Manual Rotation Manually drag and rotate all speakers (except Subwoofer) Manual Drag Mode This is the default mode that allows you to manually drag each speaker or the listener with your mouse. ASUS Xonar HDAV Slim...

[Page 23](#) Drag to the right side to widen the vocal sound range. Reset Reset all settings to the defaults. Dimension The dimension parameter fades sounds to the front or rear of the listener. ASUS Xonar HDAV Slim...

[Page 24](#) Music Mode Music mode is the default mode for regular music playback. In this mode, you can adjust the Center Width and Dimension parameters. Movie Mode Movie mode is a preset optimized for movie audio. ASUS Xonar HDAV Slim...

[Page 25](#) They differ in the sense of the “spatial dimension” they impart. DH1—Reference Room: Small, acoustically damped room. DH2—Livelier Room: More acoustically live than DH1 DH3—Larger Room: Larger room than DH1; more distant and diffused effect. ASUS Xonar HDAV Slim...

[Page 26](#) Dolby Virtual Speaker provides two modes of virtualization: The first is Reference mode, which virtualizes the missing speakers as in the following picture. Wide Mode Wide mode virtualizes the necessary speakers and enhances the surround experience as in the following picture. ASUS Xonar HDAV Slim...

[Page 27: Mixer/Volume](#)

- CD: CD-ROM digital playback (CD-DA) volume control - LEFT, RIGHT...: the volume control for each speaker/ channel Note: Windows Vista does not support WAVE, Synthesizer ® and CD-In volume controls. Reset Reset all volume controls to the default settings ASUS Xonar HDAV Slim...

[Page 28](#) Wii, Xbox, PS3/PS3/PSP, etc. To apply Dolby Virtual Speaker is suitable for two-speaker environment. Note: When the monitoring function is enabled, audio output from HDMI output is disabled. (continued on the next page) ASUS Xonar HDAV Slim...

[Page 29](#) Click this button to open the advanced settings for the Microphone-In: Enabling "Microphone Boost" will increase a volume gain to boost microphone input signals. Reset Click to reset all volume controls to the default settings. ASUS Xonar HDAV Slim...

[Page 30: Effects](#)

Clicking this button will apply the environment effect that you select from the pull-down menu on the right side. There are another 3 options in this menu. Environment size There are three size settings for each environment: Large, Medium, and Small. ASUS Xonar HDAV Slim...

[Page 31](#) Key in a name for your own "User Defined" equalizer setting Add / save Click this "+" button to save the parameters into User Defined list Delete Click this "-" button to delete the parameters from User Defined list ASUS Xonar HDAV Slim...

[Page 32: Karaoke](#)

0 to +100. +100 will eliminate most original vocals (default value is 50). Mic Echo Select the Mic Echo function and adjust the gain for echo signals (30~16KHz) Reset Reset all settings to the default. ASUS Xonar HDAV Slim...

[Page 33: Flexbass](#)

Large speakers because the subwoofer can redirect the bass signals inside the two channels to the subwoofer speaker automatically. Picture for Small/ Colors for small/large speakers are different. Large speaker Orange: large speakers Green: small speakers ASUS Xonar HDAV Slim...

[Page 34](#) Xonar HDAV Slim will filter out the bass signals below the crossover frequency from small speaker channels and forward them to the subwoofer. The higher the crossover frequency, the more bass signals will be subtracted. ASUS Xonar HDAV Slim...

[Page 35: Smart Volume Normalization](#)

(for example, 10dB below full scale) after you turn on SVN. Please note that for lower volume music, it will become louder when you turn on SVN; and for higher volume music, it will become quieter. 0dB (Full-scale) Music 1 -10 dB Music 2 SVN On SVN Off ASUS Xonar HDAV Slim...

[Page 36](#) It will be lit red if the volume is muted. SVN display When SVN is enabled, "Smart Volume" will be lit up at the bottom of the volume meter and the volume meter will show the level. ASUS Xonar HDAV Slim...

[Page 37: Ds3D Gx And Dsp Modes](#)

Hi-Fi mode for audio quality tests (using RMAA software or another machine-based measurement). Use the DSP mode button as the quick setup if you don't wish to know the details of the effect setup. (Note: no sound effects will be applied to high-definition 96KHz/192KHz content.) ASUS Xonar HDAV Slim...

[Page 38](#) Music Mode This mode is set for Music playback. Movie Mode This mode is set for DVD Movie playback. Game Mode This mode is set for Games. ASUS Xonar HDAV Slim...

[Page 39: Vocalfx](#)

It emulates different background environment effects when you chat online. Magic Voice Changes your voice pitch to different types for disguising your real voice or just for fun in online chatting. App List You can add VOIP application into VOIP application List. ASUS Xonar HDAV

Slim...

[Page 40](#) For VOIP Press App List If you don't see the VOIP application of yours in the list, press Add.(Make sure the Skype and MSN Messenger are the latest version) Look for the application's location and Open it. ASUS Xonar HDAV Slim...

[Page 41](#) GX function is enabled. Click "OK" to accept it, or "Cancel" if you want to enable it later. Check "Don't remind me again" if you don't want to see this message pop up next time. ASUS Xonar HDAV Slim...

[Page 42: Dvd/Blu-Ray Playback Over Dh/Dvs/Ddl/Multiple Analog Speakers](#)

DVD/Blu-ray playback by SPDIF/HDMI (Dolby Digital/DTS digital audio pass-through) Open TotalMedia Theatre > Setup > Audio. Select S/PDIF in Audio Output Mode. Press Apply first, and then press OK. Open the Xonar HDAV Center Enable SPDIF Out. ASUS Xonar HDAV Slim...

[Page 43](#) 7.1 Virtual Speaker Shifter. You can also add environmental reverbs or EQ effect into the movie surround sounds. In a word, you can optimize the movies' sounds even over Dolby Digital output to your home theater. ASUS Xonar HDAV Slim...

[Page 44](#) Open TotalMedia Theatre > Setup > Audio. Select 5.1 Channels in Audio Output Mode. Press Apply first, and then press OK. Open the Xonar HDAV Center. Select 6 Channels in Audio Channel. Select FP Headphone in Analog Out. Check Dolby Headphone. ASUS Xonar HDAV Slim...

[Page 45](#) Select 5.1 Channels in Audio Output Mode. Press Apply first, and then press OK. Open the Xonar HDAV Center. Select 6 Channels in Audio Channel. Select FP 2 Speakers in Analog Out. Check Dolby Virtual Speaker. ASUS Xonar HDAV Slim...

[Page 46](#) DVD/Blu-ray playback by SPDIF/HDMI (Dolby Digital/DTS digital audio pass-through) Open TotalMedia Theatre > Setup > Audio. Select S/PDIF in Audio Output Mode. Press Apply first, and then press OK. Open the Xonar HDAV Center Enable SPDIF Out. ASUS Xonar HDAV Slim...

[Page 47](#) 7.1 Virtual Speaker Shifter. You can also add environmental reverbs or EQ effect into the movie surround sounds. In a word, you can optimize the movies' sounds even over Dolby Digital output to your home theater. ASUS Xonar HDAV Slim...

[Page 48: Troubleshooting And Faqs](#)

If you are using Dolby Digital Live or DTS Interactive encoders through the S/PDIF output, the analog output will be muted to get rid of the interference between your digital speaker system and analog speakers or headphones. Check if this is the case. Try restart your Windows. ASUS Xonar HDAV Slim...

[Page 49](#) (96K/192KHz) in hi-fidelity playback. This is also usually the behavior that professional audiophiles and musicians prefer. If you still want to have the effects, you can use some editing software (Ableton Live, Cakewalk, CoolEdit, Soundforge, etc.) to convert the sounds into 48KHz files. ASUS Xonar HDAV Slim...

[Page 50: \[Faqs\]](#)

Q4: Does the Xonar HDAV Slim support EAX on Vista? Answer: Yes, Xonar HDAV Slim can support EAX 5.0 not only on Windows XP but also on Vista through innovative DirectSound3D Game Extensions v1.0 (DS3D GX 1.0) technology. ASUS Xonar HDAV Slim...

[Page 51](#) For attaining 5.1 channel surround sounds, you can select Dolby Digital Live or DTS Interactive encoding output from the S/PDIF out menu, which will allow the Xonar HDAV Slim to deliver 5.1 surround sound for games, DVD movies, and even stereo music. ASUS Xonar HDAV Slim...

[Page 52](#) ASUS Xonar HDAV Slim...

This manual is also suitable for:

Xonar hdav slim