



# Asus HDAV1.3 - Xonar Slim Sound Card User Manual

User manual



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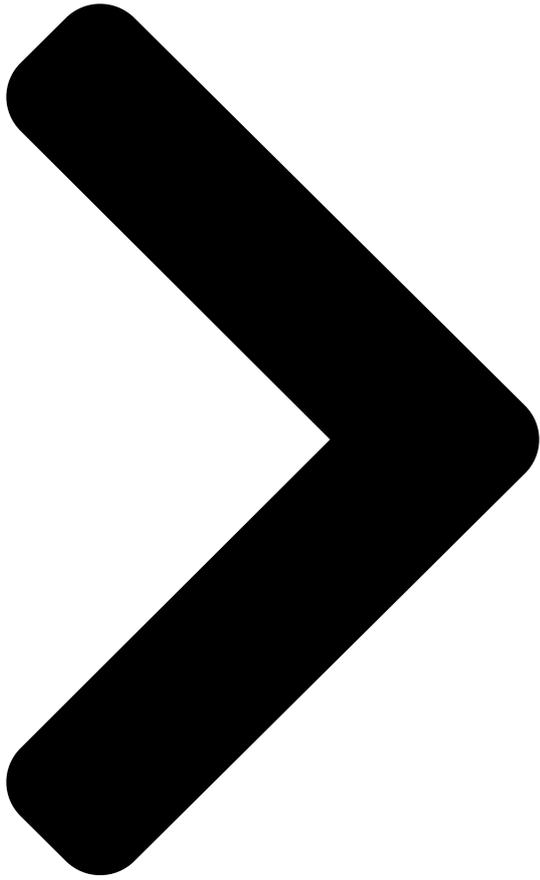
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Xonar HDAV 1.3  
**ASUS**  
(Deluxe)

*Audio/Video enhanced combo*

*card*

# ASUS<sup>®</sup> User manual

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## Related Manuals for Asus HDAV1.3 - Xonar Slim Sound Card

[Computer Hardware Asus Xonar HDAV1.3 Slim User Manual](#)

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Xonar hdav1.3 user's manual (3 pages)

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## Summary of Contents for Asus HDAV1.3 - Xonar Slim Sound Card

[Page 1](#) Xonar HDAV 1.3 (Deluxe) Audio/Video enhanced combo card 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 or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

## [Page 3: Table Of Contents](#)

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with RMAA.....82 RMAA Testing Results.....85 ASUS Xonar HDAV RightMark Audio Analyzer  
test ..86 Troubleshooting and FAQs .....90 [Troubleshooting] .....90 [FAQs]...

## [Page 5: Notices](#)

Notices Federal Communications Commission Statement This device complies with Part 15 of  
the FCC Rules. 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.

## [Page 6: 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 7: Introduction](#)

DVI-to-HDMI cable x□ • Stereo RCA-to-3.5mm cable x4 • S/PDIF TOSLINK optical adapter x□ •  
Support CD (including ASUS Gamer OSD and RMAA V6.0.6 utilities) • Quick installation guide •  
TotalMedia Theatre Bluray Disc/HD-DVD Software Player (ArcSoft) CD 1.2 System requirements  
•...

## [Page 8: Specifications Summary](#)

1.3 Specifications summary Items Description Main Chipset ASUS AV200 High-Definition Audio  
Processor (Max. Audio Processor 192KHz/24bit) Video Processor ASUS Splendid HD Video  
Processor TI Burr-Brown PCM1796 \*1 on AV card; 24-bit D-A Converter of Digital Sources: \*3 on  
H6 DAC Extension Board (123dB SNR, Max.

[Page 9](#) Accessories -H6 Extension Board cable (for connecting HDAV card and extension  
board) \*1 Accessories -DVI-to-HDMI cable \*1 -Stereo RCA-to-3.5mm cable \* 4 -S/PDIF TOSLINK  
optical adaptor \*2 \*Specifications are subject to change without notice. ASUS Xonar HDAV □.3...

## [Page 10: Hardware Overview](#)

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  
□□5dB SNR A-D converter) (continued on the next page) ASUS Xonar HDAV □.3...

[Page 11](#) TV tuner card’s audio from this Aux-In, you must enable the “monitor” function for  
Aux-In in the Xonar HDAV Center software’s recording mixer.) Power Connector Connects to the  
power cable of your power supply. Bridge connector Connects to the extension board with the  
bundled bridge cable. ASUS Xonar HDAV □.3...

## [Page 12: H6 Dac Extension Board Layout](#)

Connects to the Right Back Surround input on 6.□/7.□ Out port powered analog speakers. Left  
Back Surround Connects to the Left Back Surround input on 6.□/7.□ powered Out port analog  
speakers. Bridge connector Connects to the Xonar HDAV card with the bundled H6 extension  
board cable. ASUS Xonar HDAV □.3...

## [Page 13: Installing The Hardware](#)

Power off your computer and disconnect the power cord. Open the computer chassis. Remove  
the metal brackets from one unused PCI Express x□ slot for the Xonar HDAV card and its  
adjacent slot for the H6 DAC extension board. ASUS Xonar HDAV □.3...

## [Page 14: Installing The Xonar HDAV 1.3 Card](#)

Connect a 4-pin ATX power cable to the ATX power connector on the card. The Xonar HDAV 1.3 card requires additional power to work. Ensure that you connect the ATX power cable to the card to provide ample power. ATX power cable Extension board cable ASUS Xonar HDAV 1.3...

[Page 15](#) Otherwise, there might be no display on your HDMI display device. • Some LCD TVs with HDMI output do not support PC resolutions and may lose audio output, excepting on following video resolutions: 480i/p, 720p, and 1080i/p. ASUS Xonar HDAV 1.3...

## [Page 16: 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 1.3...

## [Page 17: Installing Software](#)

“END USER LICENCE AGREEMENT” in the process and make sure you understand and accept it before you continue the installation. When the installation finishes, you may be prompted to restart your computer. You can choose to restart the computer later if desired. ASUS Xonar HDAV 1.3...

## [Page 18: Installing The Totalmedia Theatre 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 1.3...

## [Page 19: 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 jack and connect the other end into the coaxial S/PDIF input on your decoder. ASUS Xonar HDAV 1.3...

## [Page 20: Connecting Headphones](#)

The Left/Right Front Out ports have a built-in high-quality amplifier to drive headphones. Connect your stereo headphones to the bundled stereo RCA-to-3.5mm cable, and then connect the Left/Right ends to the Front Left/Right Out ports on the Xonar HDAV card. ASUS Xonar HDAV 1.3...

[Page 21](#) Center/Subwoofer Out Connect the Center/Bass-channel 3.5mm plug of your 5.1 headphones to the bundled stereo RCA-to-3.5mm cable, and then connect the Left/Right ends to the Center/Subwoofer Out ports on the extension board. ASUS Xonar HDAV 1.3...

## [Page 22: Connecting Analog Speaker Systems](#)

Connecting Analog Speaker Systems 5.3.1 Connecting Analog Power Amplifier (Xonar HDAV card) Front Right Out Front Left Out (H6 DAC extension board) Right Side Out Left Side Out Center Out Subwoofer Out Right Back Out Left Back Out ASUS Xonar HDAV 1.3...

[Page 23](#) Connects to the “left back” and “right back” input ports of the Surround Out analog amplifier with the mini-jack-to-RCA cable, and then connect the other end to the bundled stereo RCA-to-3.5mm cable. Finally, connect the Left/Right ends to the Left/Right Back Out ports on the extension board. ASUS Xonar HDAV 1.3...

[Page 24](#) The Left/Right Front Out ports have a built-in high-quality amplifier to drive headphones. Connect the 2/2.1 speaker set's 3.5mm plug to the bundled stereo RCA-to-3.5mm cable, and then connect the Left/Right ends to the Front Left/Right Out ports on the Xonar HDAV card. ASUS Xonar HDAV 1.3...

[Page 25](#) Connects to the Side Surround input port of the 4/4.1 Surround Out speakers with the mini-jack cable, and then connect the other end to the bundled stereo RCA-to-3.5mm cable. Finally, connect the Left/Right ends to the Left/Right Side Out ports on the extension board. ASUS Xonar HDAV 1.3...

[Page 26](#) Connects to the Center/Subwoofer input port of the 5.1 speakers with the mini-jack

cable, and then connect the other end to the bundled stereo RCA-to-3.5mm cable. Finally, connect the Left/Right ends to the Center/Subwoofer Out ports on the extension board. ASUS Xonar HDAV 3.3...

[Page 27](#) 5.3.5 Connecting 6.1 / 7.1 Channel Speakers 6.1 Speakers 7.1 Speakers (Xonar HDAV card) Front Right Out Front Left Out (H6 DAC extension board) Right Side Out Left Side Out Center Out Subwoofer Out Right Back Out Left Back Out ASUS Xonar HDAV 3.3...

[Page 28](#) Connects to the Back Surround input port of the 6.1/7.1 Surround Out speakers with the mini-jack cable, and then connect the other end to the bundled stereo RCA-to-3.5mm cable. Finally, connect the Left/Right ends to the Left/Right Back Out ports on the extension board. ASUS Xonar HDAV 3.3...

### [Page 29: Connecting Microphone](#)

RCA-to-3.5mm cable, and then connect the Left/Right ends to the to Front Left/Right Out ports on the Xonar HDAV card. Microphone Input Connect the microphone's 3.5mm plug to the Mic-In port on Jack the Xonar HDAV card for voice communication, recording, or karaoke. ASUS Xonar HDAV 3.3...

### [Page 30: Connecting Line-In Audio Sources](#)

Connect the 3.5mm plug of the CD/MP3 Player or any other Line level analog audio sources into this Line-In jack for sound recording or real-time Dolby/DTS sound processing through the Monitoring path (See the "Mixer" section of the driver guide). ASUS Xonar HDAV 3.3...

### [Page 31: Connecting Digital Audio Sources](#)

You can also use a coaxial cable for a S/PDIF digital connection. Just plug the coaxial RCA male connector to the S/PDIF-In combo jack and connect the other end into the coaxial S/PDIF output on the player. ASUS Xonar HDAV 3.3...

### [Page 32: 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. The Xonar HDAV Center is the Graphic User Interface (GUI) for the Xonar HDAV 3.3 driver.

[Page 33](#) Item Description Support link Clicking this button will lead you to the ASUS official website. Display Area This display area shows the 0-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 34: 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 set ups -Swap Side/Surround outputs for 7.1-speaker set ups Check the box if your speakers are outputting the incorrect channel. Otherwise, leave them blank. ASUS Xonar HDAV 3.3...

[Page 35](#) Clicking this button will pop up an advanced setting window to allow you to: -Swap center/bass outputs for 5.1/7.1-speaker set ups -Swap Side/Surround outputs for 7.1-speaker set ups Check the box if your speakers are outputting the incorrect channel. Otherwise, leave them blank. ASUS Xonar HDAV 3.3...

[Page 36](#) Xonar HDAV 3.3 card supports sample rates up to 24KHz (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 3.3...

[Page 37](#) -S/PDIF In Loopback to output (typically useful for coaxial/ optical connection transformation) Dobby 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 3.3...

[Page 38](#) -MP3, WMA, AAC, CD, VCD, 2D games => 2 channels -DVD-Video with Dolby Digital

or DTS 5.1 => 6 channels -DVD-Video with Dolby Digital EX or DTS ES => 6 channels -3D games => 6 channels ASUS Xonar HDAV 1.3...

[Page 39](#) 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 1.3...

[Page 40](#) 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 1.3...

[Page 41](#) 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 1.3...

[Page 42](#) 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 1.3...

[Page 43](#) 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 1.3...

#### [Page 44: Mixer/Volume](#)

- CD: CD-ROM digital playback (CD-DA) volume control - LEFT, RIGHT...: the volume control for each speaker/ channel Note: Windows Vista doesn't support WAVE, Synthesizer ® and CD-In volume controls. Reset Reset all volume controls to the default settings ASUS Xonar HDAV 1.3...

[Page 45](#) Enabling “Validity Check” will check out the PCM audio validity bit of S/PDIF input stream to prevent recording or monitoring non-PCM/not recordable audio (such as AC3, etc.), which will become unrecognizable sounds from your speakers. (continued on the next page) ASUS Xonar HDAV 1.3...

[Page 46](#) If you connect your microphone to the front panel audio module, enable “Front Panel Microphone”. For typical low-cost PC microphone, it's recommended to enable this function. Reset Click to reset all volume controls to the default settings. ASUS Xonar HDAV 1.3...

#### [Page 47: Effects](#)

Clicking this button will apply the environment effect that you select from the pull-down menu on the right side. There are another 23 options in this menu. Environment size There are three size settings for each environment: Large, Medium, and Small. ASUS Xonar HDAV 1.3...

[Page 48](#) 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 1.3...

#### [Page 49: 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 1.3...

#### [Page 50: 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 1.3...

[Page 51](#) Xonar HDAV 1.3 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 3.3...

### [Page 52: Aec \(Acoustic Echo Cancellation\)](#)

AEC is applied (all audio effects will be suspended and those controls on audio center will be frozen.). After you finish the voice-over-IP applications, please remember to turn it off for normal high-fidelity audio playback mode. ASUS Xonar HDAV 3.3...

[Page 53](#) 2 speakers and all sound effect processors will be suspended except AEC function. Click "OK" to accept it or "Cancel" if you want to enable it later. Checking "Don't remind me again" will not display this message again. ASUS Xonar HDAV 3.3...

### [Page 54: Smart Volume Normalization](#)

(for example, 0dB below full scale) after you turn on SVN. Please note that for lower volume music 2, it will become louder when you turn on SVN; and for higher volume music 1, it will become quieter. 0dB (Full-scale) Music 1 -10 dB Music 2 SVN Off SVN On ASUS Xonar HDAV 3.3...

[Page 55](#) 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 3.3...

### [Page 56: 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 6KHz/2KHz content.) ASUS Xonar HDAV 3.3...

[Page 57](#) 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 3.3...

### [Page 58: 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 3.3...

[Page 59](#) 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 3.3...

[Page 60](#) 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 3.3...

### [Page 61: Video - Splendid Hd](#)

The Splendid HD provides three modes that allow you to change the configurations according to different viewing conditions, such as viewing photos, watching movies, and playing games. Click ON / OFF to enable or disable the mode you select. ASUS Xonar HDAV 3.3...

[Page 62](#) Demo On button. When the demo starts, a vertical green line divides the screen. The left side of the green line is the original screen and the right side the color-enhanced screen. Click Cancel to stop scanning. ASUS Xonar HDAV 3.3...

[Page 63](#) To add customized settings, select CustomA / CustomB then click the Custom button. From the customize settings screen, adjust the brightness, saturation, hue, contrast, and sharpness according to your desired settings and name your customized setting. Click OK when done. ASUS Xonar HDAV 3.3...

[Page 64](#) Video Mode is on. Select desired settings from the two default color-enhanced settings: Action Movie and Theater Mode. You can customize two more settings based on your configuration. Follow the instructions in the Photo Mode section on how to create customized

settings. ASUS Xonar HDAV □.3...

[Page 65](#) Game Mode Your system must have the following two items installed before using Game Mode: □. ASUS graphics card 2. ASUS GamerOSD utility. To enable the Game Mode, click the corresponding ON/OFF button. The button displays OFF when Game Mode is on. Select desired settings from the two default color-enhanced settings: FPS Games (First Personal Shooting Game) and RPG (Role-Playing Game) /RTS Games (Real-Time Strategy Game).

### [Page 66: Dvd/Blu-Ray Playback Over Dh/Dvs/Ddl/Multiple Analog Speakers](#)

Dolby Headphone (Virtualized 5.1 surround sounds over stereo headphone) 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 Headphone in Analog Out. Check Dolby Headphone. ASUS Xonar HDAV □.3...

[Page 67](#) Dolby Virtual Speaker (Virtualized 5.1 surround sounds over stereo speakers) 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 2 Speakers in Analog Out. Check Dolby Virtual Speaker. ASUS Xonar HDAV □.3...

[Page 68](#) 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 □.3...

[Page 69](#) 7.□ 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 □.3...

[Page 70](#) 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 Headphone in Analog Out. Check Dolby Headphone. ASUS Xonar HDAV □.3...

[Page 71](#) 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 2 Speakers in Analog Out. Check Dolby Virtual Speaker. ASUS Xonar HDAV □.3...

[Page 72](#) 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 □.3...

[Page 73](#) 7.□ 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 □.3...

### [Page 74: Asus Gamerosd](#)

Properties. From the Display Properties dialog box, select the Settings tab then click Advanced. Select the ASUS tab then ASUS OSD to display the properties window. Click the Enable ASUS OSD check box. Click on the Hotkey textbox then press desired keys. Ctrl and Alt keys are the default keys.

### [Page 75: Setting Asus Gamerosd](#)

Setting to display the setup menu. If you exit on the Windows ® the utility, go to Start > Programs > ASUS > GamerOSD AP > GamerOSD to relaunch the program. The GamerOSD setup menu is as follows:...

[Page 76](#) Double-click an item to play. Screen Shot Click to open the ScreenShot folder where the captured images are saved. Double-click an item to view. The Movie and Screenshot folders are stored in \\My Documents\ASUS\GamerOSD. ASUS Xonar HDAV □.3...

## [Page 77: Using Asus Gameraosd](#)

Using ASUS GamerOSD In a full-screen game, launch ASUS GamerOSD using the GamerOSD hotkeys. 7.3.1 3D Display Setting Show FPS Allows you to show/hide FPS on your monitor and choose where to display FPS. Configuration options: OFF, L/T (left top), R/T (right top), R/B (right bottom), L/B (left bottom).

[Page 78](#) Video Capturing The items in this menu are mostly controlled by the GamerOSD setup menu. Refer to section 7.2 Setting ASUS GamerOSD for further information. Capture Mode Displays Movie if you select Movie in the GamerOSD setup menu. This item shows Broadcast if you previously selected Broadcast.

[Page 79](#) Movie folder and named by date. In Broadcast mode, press the right/left arrow key to start/stop broadcasting games. For detailed instructions on how to broadcast games and the related Internet Explorer security settings, refer to section 7.4 Broadcasting games with ASUS GamerOSD. 7.3.3 Screenshots Screenshot Mode Allows you to shift the image capturing mode between Single and Multiple.

[Page 80](#) Allows you to set the capture interval in seconds. Configuration options: 1, 2, - 5. Hot Key Shows the hotkeys for capturing screens. Press the hotkeys to capture screens. The images are automatically saved in the ScreenShot folder and named by date. ASUS Xonar HDAV 3.3...

## [Page 81: Broadcasting Games With Asus Gameraosd](#)

Broadcasting games with ASUS GamerOSD ASUS GamerOSD allows you to broadcast the games you are playing live on the Internet. Before broadcasting, you need to configure your Internet Explorer security options. 7.4.1 Internet Explorer browser setup To configure your IE browser: Launch Internet Explorer.

[Page 82](#) Click Custom Level to display the Security Settings window. Enable all items then click OK. Click OK to exit the Internet Options dialog box. ASUS Xonar HDAV 3.3...

[Page 83](#) Start a full-screen game. Launch the GamerOSD using the hotkeys. Press the Page Up/Down key to go to the Video Capturing menu and use the Up/Down arrow key to highlight Start Capturing. Press the right arrow key to start broadcasting. ASUS Xonar HDAV 3.3...

[Page 84](#) Remote clients can watch the game you're playing via live broadcast on the Internet. To watch broadcasts: From the IE Address box, key in the IP address of the computer that is broadcasting a game. Click the play button to start preview. ASUS Xonar HDAV 3.3...

## [Page 85: Rmaa Test Guide](#)

RMAA stereo signals in the driver) Turn off all sound effects including Dolby, DTS, 7.1 speaker shifter, EQ, Environment, etc. A quick way to do so is to enable the "Hi-Fi mode" button in the Xonar HDAV Center. ASUS Xonar HDAV 3.3...

[Page 86](#) You may also choose to use an external 3.5mm line cable as follows (as short as possible) to connect the Front-Out jack to the Line-In jack for loop-back testing. In that case, select "Line In" as the recording source on the mixer page. ASUS Xonar HDAV 3.3...

[Page 87](#) Click "Reset" on the playback volume mixer page to keep the volume setting on default. Turn the master volume to the MAX level (0dB) ASUS Xonar HDAV 3.3...

## [Page 88: Configuration And Test With Rmaa](#)

Configuration and Test with RMAA Start RMAA and follow the setup procedure below. Select playback devices as "[DirectSound] ASUS Xonar HDAV Audio". (As Windows MME mode does not support high-resolution 24bit audio playback and the data may be manipulated by Windows, the real hardware quality can not be measured properly.)

[Page 89](#) WAVE and Master volumes gradually until the level is ok. Begin the test by clicking the "Start test" button. If you cannot get the level to be "OK" after the previous step, click "Start test" anyways and proceed. ASUS Xonar HDAV 3.3...

[Page 90](#) Enter "ASUS Xonar HDAV Audio" in the New slot name and select one Empty slot. Click "OK" when done. RMAA will pop up the Test results window. You can click the "Select"

checkbox and click to "Make html report". ☐. Check and key in the report name/options as follows and then click "OK"...

### [Page 91: Rmaa Testing Results](#)

(one of the world's finest sound cards, it has higher quality than most CE devices.) You can also try testing the performance for other sample rates and bit-depths with the same procedure. ASUS Xonar HDAV ☐.3...

### [Page 92: Asus Xonar Hdav Rightmark Audio Analyzer Test](#)

ASUS Xonar HDAV RightMark Audio Analyzer test Testing chain: External loopback (line-out - line-in) Sampling mode: 24-bit, 48 kHz Summary Frequency response (from 40 Hz to 15 kHz), dB: +0.03, -0.04 Excellent Noise level, dB (A): -☐☐6.2 Excellent Dynamic range, dB (A): ☐☐6.☐...

[Page 93](#) RMS power (A-weighted), dB: -☐☐6.5 -☐☐0.3 -☐☐.☐ Peak level, dB FS: DC offset, %: -0.00 -0.00 Dynamic range Parameter Left Right +☐☐4.2 Dynamic range, dB: +☐☐5.☐ +☐☐6.5 +☐☐5.6 Dynamic range (A-weighted), dB: DC offset, % -0.00 -0.00 ASUS Xonar HDAV ☐.3...

[Page 94](#) Left Right +0.0002 +0.0004 THD, %: +0.0006 +0.0006 THD + Noise, %: THD + Noise (A-weighted), %: +0.0006 +0.0007 Intermodulation distortion Parameter Left Right +0.0006 +0.000☐ IMD + Noise, %: +0.0004 IMD + Noise (A-weighted), %: +0.0005 ASUS Xonar HDAV ☐.3...

[Page 95](#) Parameter Left Right IMD + Noise at 5000 Hz, 0.0007 0.0006 IMD + Noise at ☐0000 Hz, 0.000☐ 0.0005 IMD + Noise at ☐5000 Hz, 0.0005 0.00☐☐ \*This report was generated by RightMark Audio Analyzer 6.0.6 ASUS Xonar HDAV ☐.3...

### [Page 96: Troubleshooting And Faqs](#)

Xonar HDAV Center icon in the system tray. Ensure that you have connected speakers properly and have powered on your speakers Ensure that the device master volume or the software player has NOT been muted on the Xonar HDAV Center ASUS Xonar HDAV ☐.3...

[Page 97](#) If you are using a TV tuner card which has digital audio output instead of analog, please check that the sound is not muted and whether other applications can play sound out. If you still have problem, please read the TV tuner card's software user guide. ASUS Xonar HDAV ☐.3...

### [Page 98: \[Faqs\]](#)

ALL 7.☐ channel analog output at ☐☐2K/24bit, which is the best quality consumer audio card in the world. Therefore, it's also the best card to deliver the high quality audio through an analog connection to your home theater system or high-end multi-channel speakers. ASUS Xonar HDAV ☐.3...

[Page 99](#) Xonar sound card's "S/PDIF in loopback" enabled to redirect the player's input signal to output to the AV receiver. Since "SPDIF In Loopback" is the hardware's high-fidelity pass-through path, not all sound effects will be applied to the signals. ASUS Xonar HDAV ☐.3...

[Page 100](#) For attaining 5.☐ 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 ☐.3 to deliver 5.☐ surround sound for games, DVD movies, and even stereo music. ASUS Xonar HDAV ☐.3...

This manual is also suitable for:

[Xonar hdav1.3 deluxeE3867Xonar hdav 1.3](#)