



Asus XONAR - Sound Card - 192 kHz User Manual

Premium gaming audio set

1
2
Table Of Contents
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47

•

[Table of Contents](#)

-

Troubleshooting

•

Bookmarks

Quick Links

[1 Main Setting](#)

[2 Mixer/Volume](#)

[Download this manual](#)



Xonar Xense[®]
ASUS[®]
Premium Gaming Audio Set
User Manual

Table of Contents

[Next Page](#)

1
2
3
4
5

Related Manuals for Asus XONAR - Sound Card - 192 kHz

[Media Converter Asus Xonar Essence One Quick Start Manual](#)

Hi-fi usb digital-to-analog (92 pages)

[Sound Card Asus XONAR ESSENCE - Sound Card - 192 kHz User Manual](#)

User manual (49 pages)

[Media Converter Asus XONAR ESSENCE ONE User Manual](#)

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[Media Converter Asus Xonar Essence One Switching Manual](#)

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[Sound Card Asus Xonar Essence STX User Manual](#)

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Pci express audio card (33 pages)

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[Sound Card Asus Xonar Essence ST Quick Start Manual](#)

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Pci 5.1 & headphone amp audio card (58 pages)

Summary of Contents for Asus XONAR - Sound Card - 192 kHz

[Page 1](#) Xonar Xense Premium Gaming Audio Set 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](#)

Contents Contents iii Noticesv Safety informationviii

Trademarks	viii	License	viii	About this guide	ix	Chapter 1
Product introduction Package contents	1	System requirements	1			
Specifications summary	2	Xonar Xense card layout	5	Gaming headset		
.....						

Page 4 Appendices Troubleshooting and FAQs Troubleshooting	33	Frequently Asked Questions (FAQs)	35	ASUS Contact information	38...
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[Page 5: Notices](#)

REACH Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://green.asus.com/english/REACH.htm>. Federal Communications Commission Statement This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: •...

[Page 6](#) You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. If you require assistance, please call ASUS Customer Service at 1300 2787 88 or visit us at <http://support.asus.com>.

[Page 7](#) Prohibition of Co-location This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. Important: Radiation Exposure Statement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

[Page 8: 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. EAX and A3D are trademarks of Creative Technology Ltd.

[Page 9: About This Guide](#)

Refer to the following sources for additional information and for product and software updates.
1. ASUS websites The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.
2. Optional documentation Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer.

[Page 10: Package Contents](#)

60 MB (or higher) available HDD space for driver installation package • CD-ROM drive (or DVD-ROM drive) for software installation • High-quality headphones, powered analog speakers, or a Dolby Digital decoder, to enjoy the ultra-high fidelity sound ASUS Xonar Xense...

[Page 11: Specifications Summary](#)

44.1K/48K/96K/192KHz @ 16/24bit Resolution Analog Recording Sample Rate
44.1K/48K/96K/192KHz @ 16/24bit and Resolution S/PDIF Digital Output 44.1K/48K/96K/192KHz @ 16/24bit, Dolby Digital Main Chipset Audio Processor ASUS AV100 High-Definition Sound Processor (Max. 192KHz/24bit) (continued on the next page) ASUS Xonar Xense...

[Page 12](#) 3D spacious effects through any set of stereo headphones. Dolby Virtual Speaker
Dolby Virtual Speaker technology simulates a highly realistic 5.1-speaker surround sound listening environment from as few as two speakers. (continued on the next page) ASUS Xonar Xense...

[Page 13](#) GX 2.0 & 1.0, EAX 2.0&1.0, ® ® DirectSound HW, DirectSound SW, OpenAL generic ® modes, 128 3D sounds processing capability ASIO 2.0 Driver Support Supports 44.1K/48K/96K/192KHz @16/24bit with very low latency Specifications are subject to change without prior notice. ASUS Xonar Xense...

[Page 14: Xonar Xense Card Layout](#)

Connects to your speakers via 7.1 channel audio splitter cable. SP/DIF Out port Coaxial and optical TOSLINK combo digital output port. Connect to external digital decoder or digital speaker systems, Home Theater systems, AV receivers for outputting digital audio including PCM, Dolby

Digital, DTS, and WMA-Pro. ASUS Xonar Xense...

[Page 15: Gaming Headset](#)

Volume control and mute box Allows you to increase/decrease the volume of your headset's audio output and to put it on mute mode. 6.3mm connectors Connects your headset to the audio card's Mic In/Line-In and Headphone Out ports. ASUS Xonar Xense...

[Page 16: Chapter 2 Getting Started](#)

Express slot at the rear panel of your computer. Carefully insert the audio card into the PCI Express slot. Ensure that the audio card sits properly in place. DO NOT force the audio card into the slot. ASUS Xonar Xense...

[Page 17](#) Ensure that the power cable is connected properly. Otherwise, the audio card will not work. Replace the chassis cover. Plug the computer's power cord into a power outlet. Turn on your computer. ASUS Xonar Xense...

[Page 18: 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. This gives you a better TV audio quality on your computer compared to that of your TV. ASUS Xonar Xense...

[Page 19: Installing The Audio Card Driver](#)

Start > Control Panel. From the Windows ® Double-click Add or Remove Programs. Click Change or Remove Programs. Select the audio card driver. Click Remove to uninstall the audio card driver. If you are prompted, restart your computer. ASUS Xonar Xense...

[Page 20: Chapter 3 Connecting Speakers And Peripherals](#)

Connecting speakers and peripherals Connecting analog speaker systems Surround Sound (Black) Front Speaker Out (Lime) Audio Splitter Cable (included) Side Speakers Out (Grey) Center/Subwoofer (Orange) Connecting the gaming headset Mic In/ Line In port Headphone Out port ASUS Xonar Xense...

[Page 21: Connecting Line-In Audio Sources](#)

Connecting Line-in audio sources Mic In/ Line-In port CD Player MP3 Player ASUS Xonar Xense...

[Page 22: Chapter 4 Xonar Xense Audio Center](#)

To launch the Xonar Xense Audio Center, double-click the Xonar Audio Center icon on the taskbar. If the icon is not shown on the taskbar, go to the Windows Control Panel and ® double-click the Xonar Xense Audio Center icon. ASUS Xonar Xense...

[Page 23](#) These five buttons give access to quick sound effects combinations for Movie, GX, Hifi, Racing and FPS modes. Setting Menu Panel This panel gives access to setting tabs, including Main Settings, Mixer/volume, Effects, Karaoke, FlexBass, and VocalFX. Information icon Click this icon to launch the driver's information window. ASUS Xonar Xense...

[Page 24: Main Setting](#)

192KHz (44.1K, 48K, 96K, 192KHz). Typical values are: • 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 Xense...

[Page 25](#) Headphone Advanced Setting Click this button to select the appropriate headphone impedance. Select High Grain when you are using the bundled Sennheiser headset. ASUS Xonar Xense...

[Page 26](#) • Dolby Digital Live real-time 5.1ch encoding • S/PDIF Loopback Dolby Digital Live advanced upmixing option This advanced setting automatically upmixes stereo (2ch) content to 5.1 channel surround with Dolby Pro-Logic IIx when using Dolby Digital Live output. ASUS Xonar Xense...

[Page 27](#) • 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 => 8 channels • 3D games => 8 channels ASUS Xonar Xense...

[Page 28](#) This resets all Speaker Shifter settings to the default settings. Increase/decrease volume Click + to increase volume (moves speakers closer). Click - to decrease volume (moves speakers further away) Counterclockwise Click to rotate all speakers, except Subwoofer, counterclockwise. ASUS Xonar Xense...

[Page 29](#) Drag the scroll bar to the left to centralize the vocal signal. Drag to the right side to widen the vocal sound range. Reset This resets all settings to the default settings. Dimension The dimension parameter fades sounds to the front or rear of the listener. ASUS Xonar Xense...

[Page 30](#) 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 Xense...

[Page 31](#) Dolby Virtual Speaker page for manual adjustment. Reference Mode Dolby Virtual Speaker provides two modes of virtualization: Reference Mode and Wide Mode. Reference mode virtualizes the missing speakers. Wide Mode Wide mode virtualizes the necessary speakers and enhances the surround experience. ASUS Xonar Xense...

[Page 32: Mixer/Volume](#)

• SW: Software Synthesizer. Controls the playback volume of the MIDI files • CD: CD-ROM digital playback (CD-DA) volume control • LEFT, RIGHT: The volume control for each speaker/channel Windows Vista / Windows 7 does not support WAVE, Synthesizer, and CD- ® ® In volume controls. ASUS Xonar Xense...

[Page 33](#) You may have to restart the recorder program if you switch to a different source. On Windows Vista / Windows 7, some programs may allow you to select ® ® the recording device/path in the recording programs themselves. ASUS Xonar Xense...

[Page 34](#) Enabling “Microphone Boost” increases the volume gain to boost the microphone input signals. If you connect your microphone to the front panel audio module, enable “Front Panel Microphone”. For typical low-cost PC microphone, we recommend that you enable this function. ASUS Xonar Xense...

[Page 35: Effects](#)

These four buttons activate Bathroom, Concert hall, Underwater, and Music Pub environments. More Click this button to view more environment effects in the dropdown list, which contains 23 more options. Environment size There are three size settings for each environment: Large, Medium, and Small. ASUS Xonar Xense...

[Page 36](#) Add / save Click this “+” button to save your customized equalizer setting. Save name Key in a name for your own “User Defined” equalizer setting. User Defined Click this button to view your existing customized equalizer setting. ASUS Xonar Xense...

[Page 37: Flexbass](#)

“Large” speaker type. Usually, low-cost computer’s 2-channel speakers are small-type speakers. Common 2.1 speakers with a subwoofer are categorized as Large speakers because the subwoofer redirects the bass signals inside the two channels to the subwoofer speaker automatically. ASUS Xonar Xense...

[Page 38: Smart Volume Normalization](#)

10dB below full scale) after you turn on SVN. For lower volume music 2, it becomes louder when you turn on SVN. For higher volume music 1, it becomes quieter. 0dB (Full-scale) Music 1 -10 dB Music 2 SVN On SVN Off ASUS Xonar Xense...

[Page 39](#) When SVN is enabled, the master volume knob is illuminated by a blue light. It is illuminated by a red light if the volume is muted. SVN On/Off Click this button to enable SVN. When enabled, this button is illuminated by a blue light. ASUS Xonar Xense...

[Page 40: Gx And Dsp Modes](#)

Use the Hi-Fi mode for audio quality tests (using RMAA software or another machine-based measurement). Use the DSP mode button for a quick setup if you do not wish to know the details of the effect setup. No sound effects are applied to high-definition 96KHz/192KHz content. ASUS Xonar Xense...

[Page 41](#) **Hi-Fi Mode** This mode is set for Hi-Fidelity playback, where all effects are cleared to keep the original digital data and analog output quality as high as possible. **Racing Mode** This mode is set for Racing Games. ASUS Xonar Xense...

[Page 42: Troubleshooting](#)

Ensure that you have connected the speakers properly and that the speakers are turned on. • Ensure that the device master volume or that the software player is not on mute mode on the Xonar Xense Audio Center. ASUS Xonar Xense...

[Page 43](#) If you are using a TV tuner card which has a digital audio output instead of an analog output, check that the sound is not muted and whether other applications can play sound out. If you still have problems, read the TV tuner card's software user manual. ASUS Xonar Xense...

[Page 44: Frequently Asked Questions \(Faqs\)](#)

TV systems. • Dolby Headphone and Dolby Virtual Speaker are the best 3D sound positioning, spatial modeling, and 5.1-channel virtualization technology for regular stereo headphones, speaker headphones, and speakers. ASUS Xonar Xense...

[Page 45](#) In most scenarios, we suggest that you keep the settings in "Speakers" to enjoy the complete features of the Xonar sound card. You could actually still get LPCM audio data monitoring from S/PDIF-Out port as analog Front channel output in this situation. ASUS Xonar Xense...

[Page 46](#) ASUS Xonar Xense...

[Page 47: Asus Contact Information](#)

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This manual is also suitable for:

[Xonar xense](#)