USB SoundWave 7.1 Pro Quick Installation Guide

Introduction

The *USB SoundWave 7.1 Pro* is a portable sound card that brings a home theater atmosphere to notebook or desktop computers.

Features and Benefits

- Optical S/PDIF output provides true 7.1 channel surround sound (requires DVD playback software, S/PDIF decoder and 7.1-ch speakers)
- Provides simulated 7.1-channel surround sound to headphones or stereo speakers via Speaker Shifter application
- Supports EAX 2.0, A3D 1.0, and Microsoft DirectSound 3D
- Xear 3D software offers 27 environment effects, 3 environment sizes, plus a 10-band equalizer with pre-sets or manual configuration

Serial Number Sticker

For future product return or exchange, this serial number is required. Please keep it for your reference.

Serial Number   **Part Number**

Requirements

- Pentium® II-350 MHZ or equivalent PC
- 128MB RAM and an available USB port
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000

Package Contents

- *USB SoundWave 7.1 Pro*
- S/PDIF Optical adapter and USB extension cable
- Software CD
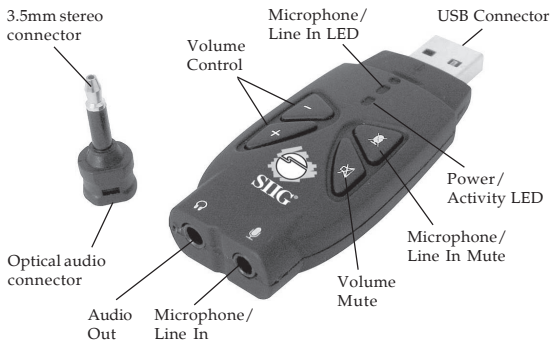- Quick installation guide

Layout

Figure 1: Layout

- **USB Connector**: Plugs into the system's USB port.
- **Microphone LED**: When the **Microphone/Line In** is muted, the light will turn on.
- **Volume (+, -)**: Increases or decreases the system volume. Supports analog speakers only.
- **Audio Out**: Connect headphones or stereo speakers via mini-3.5mm stereo plug. Doubles as an S/PDIF Optical out when used with the included **S/PDIF Optical adapter**.
- **Microphone/Line In**: Connects MP3 players, CD players, iPods and other audio output devices for playback* or recording, connect a microphone and turn your system into a P.A.* or Karaoke* system. *Note: Playback, P.A., and Karaoke supports analog speakers only.
- **Volume Mute**: Press this button to turn off the system sound. Press the button again to turn on the system sound, pause for several seconds between button presses. Supports analog speakers only.
- **Microphone/Line In Mute**: Press this button to mute Microphone/Line In. Press the button again to turn on Microphone/Line In.
- **Power/Activity LED**: The light will be on when the system is powered up. The light will blink when activity is detected, however, the light is not affected by **Microphone/Line In** inputs.

- **Optical audio connector** & **3.5mm stereo connector**: Plug the **3.5mm stereo connector** end to **Audio Out**, then plug your optical audio cable to the **Optical audio connector** when an optical audio output is needed.

Software Installation

Windows will automatically install it's built-in driver for the *USB SoundWave 7.1 Pro* when connected. To get Xear 3D Audio Utility, Mixer, Equalizer, Optical S/PDIF and simulated 7.1-channel sound from headphones or stereo speakers, install the Xear 3D software and driver from the CD. *Plug in the USB SoundWave 7.1 Pro and allow the Windows driver to load before inserting the software CD.*

Windows 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / Server 2008 (32-/64-bit) / Server 2008 R2

1. Insert the software CD. Close the CD autoplay window if prompted.
2. Click **Windows key** and **R**, type **D:\setup.exe**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
3. At **User Account Control**, click **Yes** or **Allow**. For Server 2008 & 2008 R2, skip this step.

4.   Select **Yes, I want to restart my computer now**, then click **Finish** to restart the computer.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit) / 2000

1.   Insert the software CD. Close the CD autoplay window if prompted.
2.   Click **Start**, then **Run**. Type **D:\setup.exe**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
3.   Click **Next**, **Next**.
4.   Select **Yes, I want to restart my computer now**, then click **Finish** to restart the computer.

To Verify Installation

1.   Check Device Manager for proper installation:
       For Windows 8/7/XP/Server 2003/2000: Right click **Computer** or **My Computer**, click **Manage**, click **Device Manager**.
       For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.
       For Server 2008 / Server 2008 R2: Right click **Computer**, click **Manage**, double click **Diagnostics**, click **Device Manager**.
2.   Double click **Sound, video and game controllers**.
       With Xear 3D driver: **USB PnP Sound Device** will be displayed.

Xear 3D Audio Configuration Utility

The **USB PnP Sound Device** quick start icon 🦄 , located in the taskbar by the clock, starts automatically when Windows boots. Click on the quick start icon to open it.

Enable/Disable Optical S/PDIF Output

The Optical S/PDIF out is enabled by default.

1.   Click on the **Xear 3D** quick start icon.
2.   From the **Main Settings** tab, click on the radial button next to **S/PDIF Output**.

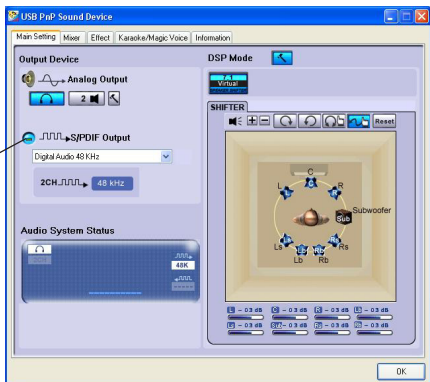Click the radio button to enable/disable Optical S/PDIF output

Figure 2: Xear 3D control panel

Speaker Configuration

Windows 8 / 7 / Vista / Server 2008 & 2008 R2

Make sure to log in as **Administrator** or an account with administrative privileges.

1.   Right click the volume control icon located in the taskbar by the system clock, then click **Playback devices**.

2.   Click **Yes** at the prompted window to enable Windows Audio Service. Skip this step if not prompted.

3.   Select **Speakers USB PnP Sound Device**, then click **Configure**.

4.   Follow the on screen instructions to configure your speakers.

Windows XP / Server 2003 / 2000

For Server 2003, make sure to log in as **Administrator** or an account with administrative privileges.

1.   *For Windows XP / 2003*: Click **Start**, **Control Panel**.
     For 2000: Click **Start**, then select **Start**, **Settings**, **Control Panel**.

2.   Click **Sounds and Audio Devices** or **Sounds and Multimedia**, then select the **Audio** tab.

3.   Click **Advanced** under **Sound Playback**, then click the **Speakers** tab.

4.   Select your speaker type from the drop down list.

5.   Click **OK** to save the settings.

Microphone Configuration

Windows 8 / 7 / Vista / Server 2008 & 2008 R2

1.   Right click the volume control icon located in the taskbar by the system clock.

2.   Click **Playback Devices**, under the Playback tab, select **Speakers USB PnP Sound Device**, click **Properties**.

3.   Click the **Levels** tab. Click the speaker icon to either enable or mute the microphone as indicated by the red circle (muted) next to the icon.

4.   Move the slider to change the volume level.

5.   Click **OK** to save the changes.

6.   Click the **Recording** tab.

7.   Select **Microphone USB PnP Sound Device**, click **Properties**.

8.   Click the **Levels** tab.

9.   Move the slider to the left to increase sensitivity.

10.   Click **OK** to save the changes.

11.   Select **Microphone USB PnP Sound Device**, click **Properties**.

12.   Click the **Custom** tab.

13.   Check **Microphone Boost**, click **OK**.

> **Note**: Microphone Boost increases sensitivity by approximately 20dB. This setting is optional and not be needed in most cases.

Uninstalling the Soundcard Driver

Windows 8 / 7 / Server 2008 R2

1. *For Windows 8:* Click **Control Panel** on the desktop.
    For Windows 7 / Server 2008 R2: Click **Start**, **Control Panel**.
2. Click **Programs**.
3. Click **Programs and Features**.
4. Select **USB PnP Sound Device**, then click **Uninstall/Change**.
5. Select **Yes, I want to restart my computer now** and click **Finish**.

Windows Vista / Server 2008

1. Click **Start**, **Control Panel**.
2. Click **Classic View**, double click **Programs and Features**.
3. Select **USB PnP Sound Device**, then click **Uninstall/Change**.
    Windows Vista: Click **Continue.**
    Windows Server 2008: Continue to step #4.
4. Select **Yes, I want to restart my computer now** and click **Finish**.

Windows XP / Server 2003 / 2000

1. *For Windows XP / 2003*: Click **Start**.
   For 2000: Click **Start**, then select **Settings**.
2. Click **Control Panel**, double click **Add/Remove Programs**.
3. Select **USB PnP Sound Device**, then click either **Change/Remove** or **Add/Remove**.
4. Follow the on screen instructions to complete.

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a 5-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for five (5) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow the steps below to have the product repaired or replaced.

> **Step 1:** Submit your RMA request.
>
> Go to **www.siig.com**, click **Support**, then **REQUEST A PRODUCT REPLACEMENT** to submit a request to SIIG RMA or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.
>
> **Step 2:** After obtaining an RMA number, ship the product.
>
> • Properly pack the product for shipping. All accessories that came with the original package must be included.
>
> • Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
>
> • You are responsible for the cost of shipping to SIIG. Ship the product to the following address:
>
> **SIIG, Inc.**
> **6078 Stewart Avenue**
> **Fremont, CA 94538-3152, USA**
> **RMA #: _____**
>
> • SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.