



# USB SoundWave 7.1 Pro Quick Installation Guide

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## Introducing the *USB SoundWave 7.1 Pro*

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.



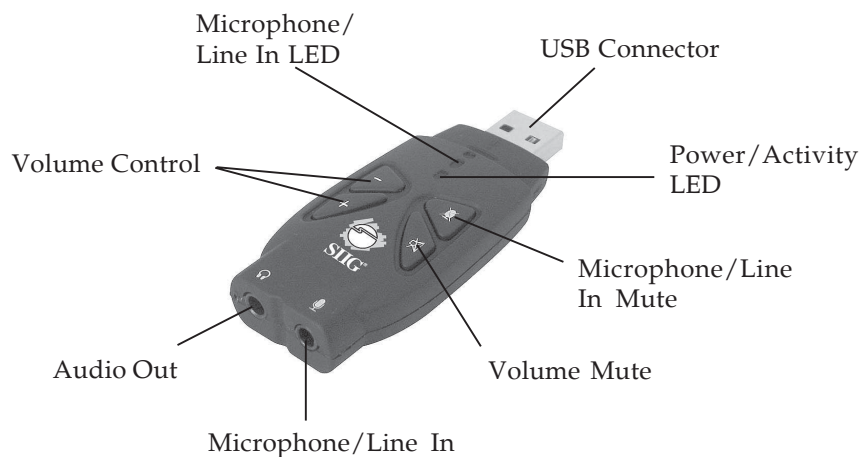
## Requirements

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

**Note:** See page 3 for description of each label

- **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**.
- **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.
- **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.
- **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.
- **Microphone LED:** When the **Microphone/Line In** is muted, the light will turn on.
- **USB Connector:** Plugs into the system's USB port.

## Software Installation

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Windows will automatically install its 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 7

1. Insert the software CD. **AutoPlay** should start the installation  
*At the AutoPlay box:* Click **Open folder to view files**. Double click **Win7** folder, then double click **Setup**.  
*If AutoPlay doesn't start:* Click **Start**, in **Search programs and files**, type **D:\Win7\setup.exe**, then press **Enter**. (Change **D:** to match your CD/DVD-ROM drive letter)
2. At **User Account Control**, click **Yes**.
3. Select **Yes, I want to restart my computer now**, then click **Finish**.

### Windows Vista / Server 2008

1. Insert the software CD. **AutoPlay** should start the installation.  
*At the AutoPlay box:* Click **Run Setup.exe**.

If **AutoPlay** doesn't start: Click **Start**, in **Start Search**, type **D:\setup.exe**, then press **Enter**. (Change **D:** to match your CD/DVD-ROM drive letter)

For **Windows Vista**: Click **Allow**.

For **Server 2008**: Continue to step #3.

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

## **Windows XP / Server 2003 / 2000**

1. Insert the software CD. **Autorun** should start the installation. If **Autorun** doesn't start, click **Start**, then **Run**. Type **D:\setup.exe**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
2. Click **Next, Next**.
3. Select **Yes, I want to restart my computer now**, then click **Finish**.

## **To Verify Installation**

1. Check Device Manager for proper installation:  
For **Windows 7**: Right click **Computer**, click **Manage**, click **Device Manager**.  
For **Windows Vista**: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.  
For **Windows XP / Server 2003 / 2000**: Right click **My Computer**, click **Manage**, click **Device Manager**.  
For **Server 2008**: 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.  
*With Windows built-in driver:* Either **USB Audio Device** or **C-Media USB Headphone Set** 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. Simply 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**.

## **Speaker Configuration**

### **Windows 7 / Vista / Server 2008**

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.
2. Click **Playback devices**, select **Speakers USB PnP Sound Device**, click **Configure**.

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

### **Windows XP**

1. From the main desktop, click **Start, Control Panel**.
2. Click **Sounds and Audio Devices**.
3. Select the **Audio** tab.
4. Click **Advanced** under **Sound Playback**, then click the **Speakers** tab.
5. Select your speaker type from the drop down list.
6. Click **OK** to save the settings.

### **Windows Server 2003**

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

1. From the main desktop click **Start, Control Panel**.
2. Click **Sounds and Audio Devices**.
3. Select the **Audio** tab.
4. Click **Advanced** under **Sound Playback**, then click the **Speakers** tab.
5. Select your speaker type from the drop down list.
6. Click **OK** to save the settings.

### **Windows 2000**

1. From the main desktop, click **Start, Settings, Control Panel**.

2. Double click **Sounds and Multimedia**, click **Audio** tab.
3. Click **Advanced** under **Sound Playback**, then click the **Speakers** tab.
4. Select the speaker type from the drop down list.
5. Click **OK** to save the settings.

## **Microphone Configuration**

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### **Windows 7 / Vista / Server 2008**

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. Click the **Custom** tab.
12. 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**

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### **Windows 7**

1. 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**

1. Click **Start**.
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.

### **Windows 2000**

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

## **Technical Support and Warranty**

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**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our web site at [www.siig.com](http://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 analysts will promptly respond.

SIIG offers a 5-year manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

If it is within the store's return policy period, please return the product to the store where you purchased from. If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

**Step 1:** Submit your RMA request.

Go to [www.siig.com](http://www.siig.com), click **Support**, then **RMA** to submit a request to [SIIG RMA](#). 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. 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.

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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.

### **PRODUCT NAME**

USB SoundWave 7.1 Pro

**FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B  
OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE**

### **FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE**

SIIG, Inc.  
6078 Stewart Avenue  
Fremont, CA 94538-3152, USA  
Phone: 510-657-8688

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