



# SoundWave Pro 2000

## Quick Installation Guide

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### Introducing the *SoundWave Pro 2000*

The *SoundWave Pro 2000* is a high performance multimedia sound card which takes full advantage of the PCI bus architecture, while maintaining compatibility with legacy software. It supports DirectMusic™, DirectSound™, and full hardware SoundBlaster® Pro/16 compatibility. Each sound in the wavetable is derived from real instrument sounds, created with wavetable synthesis and held to a professional performance standard for the extensive sound library.

### Features and Benefits

- Conforms to PCI 2.1 with bus mastering
- HRTF based CRL 3D extension positional audio, API compatible with Microsoft's DirectSound 3D and Aureal A3D API
- DLS-based wavetable music synthesizer supports Direct Music
- 4-channel speaker provides quality sound
- Supports DirectSound and DirectMusic
- Full duplex playback and record with different sampling rates

### System Requirements

- Pentium or equivalent computer with an available PCI slot
- Windows 95b/98/98 SE/ME/NT4.0/2000/XP
- 16 MB RAM and CD-ROM drive
- Powered-speakers or headphones

### Package Contents

- *SoundWave Pro 2000* board
- Driver CD

- 5-year warranty card
- This quick installation guide

## Interface Ports

- **Joystick/MIDI**

This is a 15 pin D-sub connector. It can be used with standard MIDI adapters or joysticks.

- **Front Out**

A stereo line output jack to connect Powered or Amplified front speakers.

- **Rear Out**

A stereo line output jack to connect Powered or Amplified rear speakers.

- **Line In**

Used for digital sound recording, a source to be mixed with the Line Out signal, or both.

- **Mic In**

An 1/8-inch jack which provides a mono microphone input.

- **CD Audio Input (internal)**

Stereo connectors which can be used to attach CD-ROM audio cable. There are two different connectors. Select the connector that matches your CD-ROM audio cable.

- **Aux-in (internal)**

Can be used to connect other devices as sources of digital sound

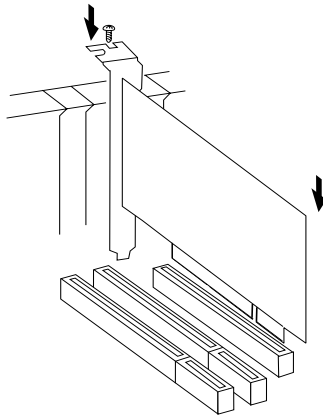
## Hardware Installation

General instructions for installing the card are provided below, since the design of computer cases and motherboards vary. Refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices. Unplug the computer's power cord.
2. Remove your computer's cover and install the card in an available PCI slot.

3. Push the board down firmly, but gently, until it is well seated.
4. Secure the card and replace the cover.



**Figure 1: Installing the board**

## Software Installation

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Throughout driver installation, you may be prompted to insert the Windows Installation CD. Some files on this CD are necessary to complete the driver installation. Please insert your Windows CD when prompted and follow on-screen instructions.

This section will guide you through driver installation of the following operating systems:

- Windows 95b/98/98 SE/ME
- Windows NT 4.0
- Windows 2000/XP

### Windows 95b/98 Driver Installation

1. Install the soundcard and start your system. At the **Add New Hardware Wizard**, click **Cancel**.
2. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X:** with the drive letter of your CDROM).

3. At the **SC3400/D** screen, click **Driver, Win95/98 Driver**, then **Install Device Driver**. Then follow on-screen instructions.
4. Select **Yes, I want to restart my computer now** and click **OK**.
5. On restart select either **2 CH** (two speaker) or **4 CH** (four speaker) support, then click **Exit**.
6. Go to **Utilities Software** on page 6 and follow the instructions to install **Audio Rack**.

### Windows 98 SE Driver Installation

1. Install the soundcard and start your system. At the **Add New Hardware** wizard, click **Cancel**.
2. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X**: with the drive letter of your CDROM).
3. At the **SC3400/D** screen, click **Driver, Win95/98 Driver**, then **Install Device Driver**. Then follow on-screen instructions.
4. At **System Files Requirement** window, leave the box blank and click **Continue**.

**Note:** You may be prompted later to insert your Windows CD-ROM. If prompted insert your Windows CD then click **OK** to continue.

5. Select either **2 CH** (two speaker) or **4 CH** (four speaker) support, then click **Exit**.
6. Select **Yes, I want to restart my computer now** and click **OK** to complete the driver installation.
7. After Windows restarts, go to **Utilities Software** on page 6 and follow the instructions to install **Audio Rack**.

### Windows ME Driver Installation

1. Install the soundcard and start your system. At the **Add New Hardware** wizard, click **Cancel**.
2. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X**: with the drive letter of your CDROM).
3. At the **SC3400/D** screen, click **Driver, WinMe/2000/XP Driver**, then **Install Device Driver**. Then follow on-screen instructions.

4. Select either **2 CH** (two speaker) or **4 CH** (four speaker) support, then click **Exit**.
5. Select **Yes, I want to restart my computer now** and click **OK** to complete the driver installation.
6. After Windows restarts, go to **Utilities Software** on page 6 and follow the instructions to install **Audio Rack**.

### Windows NT 4.0 Driver Installation

1. Install the soundcard and start your system.
2. Click **Start, Settings**, then **Control Panel**. Double click **Multimedia**.
3. Click **Devices** and **Add**.
4. Select **Unlisted or Updated Driver**, then click **OK**.
5. Insert the driver CD, if **Autorun** starts click **Quit**.
6. Type **X:\driver\win\_nt40\drv**, click **OK**. (Replace **X**: with the drive letter of your CD-ROM).
7. Select **C-Media PCI Device**, then click **OK**.
8. At the **CMPCI driver** window click **OK** to accept the default settings. *At this point the soundcard will automatically configure to match your system, if prompted click OK to accept any changes.*
9. Click **Restart Now** to complete the driver installation.

### Windows 2000 Driver Installation

1. Install the soundcard and start your system. At the **Found New Hardware** dialog box, click **Cancel**.
2. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X**: with the drive letter of your CDROM).
3. At the **SC3400/D** screen, click **Driver, WinMe/2000/XP Driver**, then **Install Device Driver**. Then follow on-screen instructions.
4. Select **Yes, I want to restart my computer now** and click **OK** to complete the driver installation.
5. At restart choose **2 CH** (two speaker) or **4 CH** (four speaker) support and click **Exit**.
6. Go to **Utilities Software** on page 6 and follow the instructions to install **Audio Rack**.

## Windows XP Driver Installation

Insert the soundcard and Windows XP will automatically detect and install a built-in driver for it. For best performance we recommend installing the driver from the driver CD. Please follow the instructions below to install the driver.

1. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X:** with the drive letter of your CDROM).
2. At the **SC3400/D** screen click **Driver, WinMe/2000/XP Driver**, then **Install Device Driver**. Then follow on-screen instructions.
3. Select **Yes, I want to restart my computer now** and click **OK** to complete the driver installation.
4. At restart choose either **2 CH** (two speaker) or **4 CH** (four speaker) support and click **Exit**.
5. Go to **Utilities Software** on page 6 and follow the instructions to install **Audio Rack**.

## Utilities Software

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Include with your *SoundWave Pro 2000* driver CD is an *Audio Rack*. *Audio Rack* is an application that provides you with a complete audio playback and recording environment. Also included on the driver CD is a **30-day trial version** only application, *Win Rip*. If interested, open the README file on the driver CD for instructions to install *Win Rip*.

## Audio Rack Installation

**Note:** This software utility DOES NOT work in Windows NT 4.0. Installing it may damage the operating system. Please use Windows NT 4.0's embedded players instead.

### **For Windows 95b/98/98 SE/ME/2000/XP:**

1. Insert the driver CD. Autorun should start. If autorun doesn't start, click **Start**, then **Run**. Type in **X:\Auto.exe** and click **OK**. (Replace **X:** with the drive letter of your CDROM).
2. At the **SC3400/D** screen, click **Applications**, then **Audio Rack**. Follow on-screen instructions to complete the installation.

## Technical Support

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**QUESTIONS?** SIIG's Online Support has the answers! Simply visit our web site at [www.siig.com](http://www.siig.com) and click on Support. Our online support database is updated daily with new drivers and solutions. The answers to your problems could be just a few clicks away.

## Return Merchandise Authorization (RMA)

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SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of one, two or five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option.

To return the product, you need to follow these steps:

### Step 1: Contact SIIG's RMA Department

To obtain an RMA number, SIIG's RMA Department can be reached by phone at **(510)413-5333** or fax at **(510)657-5962** or email at **service@siig.com**. In order to issue an RMA number, the product serial number is required. This number can be found on the side of the box and on the back of the product.

### Step 2: Complete the RMA form

- Fill out your Return Merchandise Authorization (RMA) form, and include it in the package with the product.
- Properly pack the product for shipping. All software, cable(s) and other accessories that came with the original package **must be included**.
- Clearly write your RMA number on the top of the returned package and on the accompanying RMA form.

**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.**

### Step 3: Ship the Product

You are responsible for the cost of shipping back to SIIG at the following address:

SIIG, Inc. RMA# \_\_\_\_\_  
6078 Stewart Ave.  
Fremont, CA 94538

SIIG will ship the repaired or replaced product via UPS Ground or US Mail at no cost to you.

**PRODUCT NAME**  
SoundWave Pro 2000

**MODEL NUMBER**  
IC1617

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.

**FCC NOTICE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio or TV technician for help

**Caution:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment

THE PARTY RESPONSIBLE FOR  
PRODUCT COMPLIANCE  
SIIG, Inc.  
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Fremont, CA 94538-3152

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