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# SuperSonic™

## Multi-Channel Digitized Stereo Card for the Apple IIGS™ Computer from MDIdeas, Inc.

The SuperSonic stereo card enables the Apple IIGS Computer to output true two-channel stereo sound through a variety of different outputs. Speakers, amplified speakers (Bose Roommates™), headphones, and external amplifiers can all be attached directly to the SuperSonic for realistic stereo sound in any environment.

An external expansion connector is available to attach optional sound digitizers and professional sound boards to the SuperSonic without taking up another computer slot.

The SuperSonic stereo card works with any software that addresses multi-channel sound through the Ensoniq™ sound chip in the Apple IIGS computer.

## SuperSonic Installation Instructions

### Preparing your SuperSonic card:

1. Remove the SuperSonic card from its protective bag and place it on a table with the components on top as shown in Figure 1. The gold connector fingers should be located on the bottom and the left side of the card. Since the card is sensitive to static electricity, try to handle the card only by the board edges.
2. Now you need to set the output level shorting blocks to the correct level for your particular application. Looking at the board as in Figure 1, locate in the upper right corner two 6-pin header sets with shorting blocks attached. By placing the shorting blocks on either LN, HI, or LO, you select the output level of the stereo connector.

A) Headphones or amplified speakers (Bose Roommates, etc) - Set the shorting blocks on LO. Connect up headphones or speakers directly to the stereo connector on the SuperSonic card.

B) Non-amplified speakers - Set the shorting blocks on HI. Connect the speakers to the stereo connector using the included stereo patch cable. The RED RCA jack is the right channel.

C) External amplifier or stereo system - Set the shorting blocks on LN. Use the included stereo patch cable to connect the SuperSonic card to an input of the external amplifier (Aux or CD input). The RED RCA jack is the right channel.

#### Installing your card:

1. Be sure the power is off on your Apple IIGS Computer and remove the computer cover.
2. Locate the small rear panel connector opening located behind slot #2. Remove the cover of it by twisting off the metal piece holding the plastic cover on. Pass your audio cables through the rear panel opening.
3. Find a free computer expansion connector to place the board into and gently insert the gold connector edge of the board into the connector until firmly seated. Be sure not to insert the board backwards. The correct way is with the SuperSonic Expansion Connector side facing towards the front of the computer with the header pin sets near the rear.
4. Find the External Audio Connector located on the Apple IIGS motherboard. It's labeled J25 and is situated near the lower right corner of the board near the External Memory Connector J20. Plug in the cable from the SuperSonic card into this connector. It will only fit one way, so don't use too much force. Be sure the connector covers all 7 pins of J25 (i.e. don't let it hang off on either side).
7. Recheck all connectors and be sure the board is securely inserted in its connector. Replace the computer lid.

#### Product News:

We have an audio expansion board for the SuperSonic stereo card. It's the SuperSonic Digitizer™. The SuperSonic Digitizer allows you to input sounds and music into the Ensoniq sound chip located within the Apple IIGS. Once digitized, the sounds can be edited, stored, and replayed through the SuperSonic stereo card. Professional sound editing software is included. Contact us for more information.

#### Important:

The SuperSonic stereo card is designed to operate with any software written to address stereo through the built in Ensoniq sound chip. Sounds from other programs not written for stereo should still play through one channel, but we can't guarantee it will work.

The volume level for the audio output is not controlled by the SuperSonic, but by the software that is running. Please refer to the operating instructions accompanying your software package.

#### Technical Support

If you have any problems with the SuperSonic that cannot be answered by your local MDIdeas dealer, please contact our technical support staff either by mail or phone

**MDIdeas, Inc.**  
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Manual by Mark Bain

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LN=Line level HI=High level LO=Low level

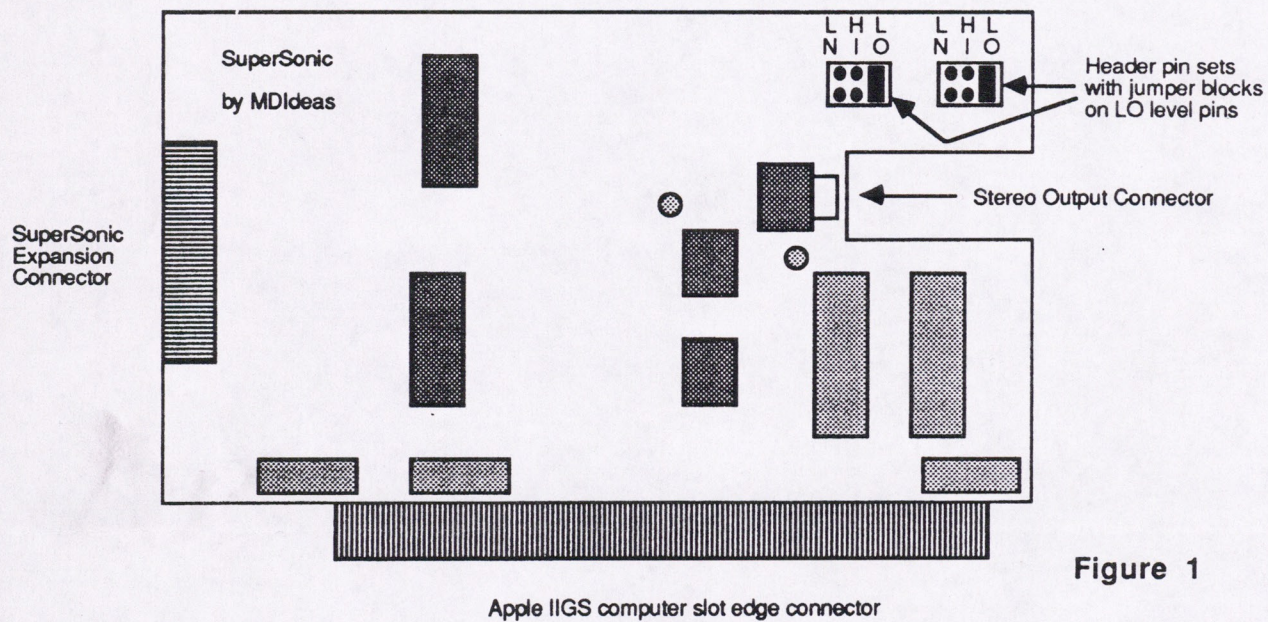


Figure 1

# Music Construction Set<sup>®</sup> demo for the SuperSonic<sup>™</sup> stereo card

The Music Construction Set demo is from Electronic Arts<sup>®</sup> and demonstrates the stereo sound capability of the Apple IIGS computer. Music composition and editing features are not implemented in this demo version. The fully functioning program is available now from Electronic Arts at (800) 448-8822.

## Equipment needed:

Apple IIGS Computer  
3.5" Disk Drive  
SuperSonic stereo card  
Pair of stereo speakers (Bose Roommates) or  
an external stereo amplifier with speakers  
Music Construction Set demo disk

## Getting started:

1. Make sure you have an Apple IIGS with a SuperSonic stereo card. Attach the stereo outputs of the SuperSonic to a pair of speakers or to a stereo system. To connect your SuperSonic stereo card, please refer to the 'SuperSonic Installation Instructions'.
2. Insert the demo disk and turn on the computer. The computer will take approx. 30 seconds to boot up and begin playing its selection of songs.
3. The demo will cycle through several songs and then begin again. If you hit a key, the demo will start again at the beginning. To stop the demo, you need to reset the machine (Control, Open Apple, Reset).

## Notes:

- a) This disk is not copy-protected, so please make copies and use them instead of the master disk.
- b) If sounds from the internal speaker interfere with the stereo speakers, turn down the system volume control to its minimum setting. This is accessed through the Control Panel (Open Apple, Control, Esc).
- c) Look for more music software to come from Activision<sup>®</sup>, Broderbund<sup>®</sup>, Electronic Arts<sup>®</sup>, GreatWave Software<sup>®</sup>, and others...