

UltraSound MIDI Adaptor Instruction Sheet

Thank you for purchasing the Gravis UltraSound™ MIDI Adaptor. This instruction sheet describes your MIDI Adaptor's features and gives you a brief overview of its installation.

Your UltraSound MIDI Adaptor's advanced features include:

- Standard 5 pin DIN MIDI port connectors for MIDI IN, OUT, and THRU.
- MIDI activity indicator LEDs for MIDI IN and OUT.
- Two 15 Pin Joystick connectors (Joystick A and B); functions as a Joystick "Y" connector/extension cable.
- 4 ft. cable for easy access to connections.
- Bonus 6 ft. MIDI cable.
- Works with any standard MIDI (UART/MPU- 401) sound card.

By connecting the UltraSound MIDI Adaptor to your UltraSound or other sound card, you open up a world of music and fun.

Installing the UltraSound MIDI Adaptor

- ◆ After discharging any static electricity you may have accumulated, carefully connect the MIDI Adaptor connector to the Joystick/MIDI Connector (D-15) port on your sound card.

Connecting External MIDI Devices

Simply connect the MIDI OUT port of an external MIDI device, such as a MIDI-equipped keyboard synthesizer (synth) or drum machine to the UltraSound MIDI Adaptor's "IN" port with a standard 5 pin DIN MIDI cable. (Available at any music store, or use the MIDI cable provided.)

NOTE: Optionally connect your MIDI Adaptor's MIDI 'OUT' to your MIDI device's MIDI 'IN' port. You can also connect your UltraSound Adaptor's MIDI 'THRU' connector to another MIDI-equipped keyboard synth, drum machine, or sound module. See the section on MIDI THRU.

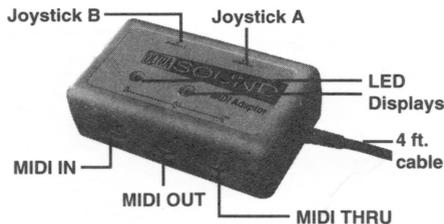
Connecting Joysticks

Connect your joystick(s) to the UltraSound MIDI Adaptor's joystick connectors A or B. If you only have one joystick, use the Adaptor's Joystick A connector and start up your favorite game!

UltraSound MIDI Adaptor Overview

Your UltraSound MIDI Adaptor is designed to link any MIDI-equipped device to any PC sound card which has a standard 15 pin 'D' connector and uses the standard MIDI UART (MPU-401 'dumb' mode) operation. This includes Creative Labs, Media Vision, and of course Gravis UltraSound™ and UltraSound MAX sound cards.

The UltraSound MIDI Adaptor directs MIDI messages (MIDI files for example) that go in, out and through the Adaptor to your UltraSound card.



MIDI IN

The MIDI IN port allows you to connect any external MIDI device, such as a MIDI-equipped keyboard synth to the UltraSound MIDI Adaptor. The MIDI IN port receives MIDI messages from the external MIDI device and then sends them to your UltraSound or other sound card.

External MIDI Device (MIDI-equipped keyboard synth) ⇒ MIDI Adaptor (MIDI IN) ⇒ UltraSound

MIDI OUT

The MIDI OUT port transmits MIDI messages from your UltraSound card to other MIDI devices like synthesizers or drum machines.

UltraSound ⇒ MIDI Adaptor (MIDI OUT) ⇒ External MIDI Device (MIDI-equipped keyboard synth)

MIDI THRU

You can 'chain' other MIDI devices together with the MIDI THRU port.

The MIDI THRU port passes the same MIDI messages that come in the MIDI IN port to any other external MIDI devices that you have connected or chained together. Your UltraSound or other sound card still receives the incoming MIDI messages from the MIDI IN port.

External MIDI Device (MIDI-equipped keyboard synth) ⇒ MIDI Adaptor (MIDI IN) ⇒ (MIDI THRU) ⇒ Another External MIDI Device (drum machine)

Joystick A and B

The joystick connectors allow you to connect your joystick(s) to the UltraSound MIDI Adaptor to play your favorite games.

The MIDI Activity Indicator LEDs

LEDs have been provided on the MIDI IN and OUT to monitor MIDI data activity. This provides useful visual feedback to help diagnose problems with MIDI data flow. Each MIDI data packet (byte) will cause the LED to flash. Some devices send a steady stream of status bytes which will cause the indicators to flicker with a dull light. A full MIDI data message, like a note on or off message, will still cause a bright LED flash.

Customer Support

Advanced Gravis is proud of the quality, design and workmanship that goes into all of our products. However, occasionally a customer has difficulty installing or using the product. This section will put you in touch with our technical support personnel for professional guidance.

Technical Support

There is no charge for Technical Support, but you may have to pay long distance telephone charges, or on-line charges for bulletin board systems.

Tech. Support Tips

To keep these costs to a minimum, here are a few hints:

- Call from a phone where you have access to your computer. You will then be able to immediately test suggestions and provide any additional information that may be required.
- The best times to call are between the hours of 10:30 AM - noon and 1:30 - 3:00 PM Pacific Coast Time.
- Please prepare the following information:
 - Your name, address and telephone number.
 - The Gravis product you are calling about. We make several products.
 - The make and model of your computer.
 - The version numbers of your computer's system software.

Tech. Support—Telephone

Tel.: (604) 431-1807 Fax: (604) 431-9358

Support hours are 9:00 AM – 4:00 PM Pacific Coast Time.

Tech. Support—Electronic Mail

Advanced Gravis can be contacted electronically via your modem on CompuServe® or our Advanced Gravis bulletin board system.

CompuServe Support Forum:

Advanced Gravis BBS

Gravis BBS modem setting:

Internet:

FidoNET:

GO PCVENV

(604) 431-5277

14,400V32.bis N81

tech@gravis.com

1:153/978

When contacting Gravis via electronic mail, it is very important that you provide all the information described in the Tech. Support Tips. Otherwise, it will take longer to get back to you with an answer.

General Information

License Agreement

The UltraSound MIDI Adaptor is protected by copyright and all rights are reserved by Advanced Gravis Computer

Technology Ltd. This Instruction Sheet is published exclusively by Advanced Gravis Computer Technology Ltd.

Information in this document is subject to change without notice and does not represent any commitment on the part of Advanced Gravis Computer Technology Ltd.

Trademarks

UltraSound is a trademark of Advanced Gravis Computer Technology Ltd.

All other trademarks and registered trademarks are the property of their respective owners.

Warranty Information

Advanced Gravis Computer Technology Ltd. (hereinafter referred to as GRAVIS) warrants to the original purchaser of the Gravis UltraSound MIDI Adaptor (hereinafter referred to as MIDI ADAPTOR) manufactured by GRAVIS that it will be free of defects in materials and workmanship for a period of 1 year from the original date of purchase.

Information on obtaining warranty services is provided in the "Warranty Claim Instructions" section. You must provide proof of purchase when requesting repairs during the warranty period. All warranty claims must be sent to GRAVIS—do not return your MIDI ADAPTOR to your place of purchase. GRAVIS is not responsible for any indirect, special, incremental, consequential or similar damages or loss of data or profits to you or any other person or entity regardless of the legal theory, even if we have been advised of the possibility of such damage. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation or exclusion may not apply to you.

Our liability for any damage to you or any third party in the event that any of the above limitations are held unenforceable shall not exceed three times the fee you paid for the MIDI ADAPTOR regardless of the form of any claim.

During the warranty period, GRAVIS will repair (or at its option replace with a reconditioned MIDI ADAPTOR at no extra charge) components that are defective, provided the MIDI ADAPTOR is returned with proof of purchase and shipped prepaid to Advanced Gravis. Please see the addresses below.

Warranty Claim Instructions

Carefully read the warranty section and provide a detailed description of the problem including the make and model of your computer system, and the name, version and publisher of the software you are using.

The means of product shipment to GRAVIS is at your cost and discretion. We suggest that you insure your Gravis MIDI ADAPTOR in case of loss or damage during shipment. GRAVIS is not responsible for product lost or damaged in shipment.

Advanced Gravis Computer Technology Ltd.

Cdn. and International Customers

101-3750 North Fraser Way

Burnaby, B.C., Canada

V5J 5E9

U.S. Customers

1790 Midway Lane

Bellingham, WA, U.S.

98226

FCC WARNING STATEMENT

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 to radio or television reception, which can be determined by turning the equipment off and on will not occur. The user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient 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/TV technician for help.

CAUTION: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To meet FCC requirements, shielded cables are required to connect the device to a personal computer or other Class B certified device.

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.