

# USB Audio Converter

USB to Analog Audio Converter

## Installation and Operation Manual



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# LIMITED WARRANTY

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Rose Electronics® warrants the USB Audio Converter to be in good working order for one year from the date of purchase from Rose Electronics or an authorized dealer. Should this product fail to be in good working order at any time during this one-year warranty period, Rose Electronics will, at its option, repair or replace the Unit as set forth below. Repair parts and replacement units will be either reconditioned or new. All replaced parts become the property of Rose Electronics. This limited warranty does not include service to repair damage to the Unit resulting from accident, disaster, abuse, or unauthorized modification of the Unit, including static discharge and power surges.

Limited Warranty service may be obtained by delivering this unit during the one-year warranty period to Rose Electronics or an authorized repair center providing a proof of purchase date. If this Unit is delivered by mail, you agree to insure the Unit or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or its equivalent. You must call for a return authorization number first. Under no circumstances will a unit be accepted without a return authorization number. Contact an authorized repair center or Rose Electronics for further information.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE, AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IF THIS PRODUCT IS NOT IN GOOD WORKING ORDER AS WARRANTIED ABOVE, YOUR SOLE REMEDY SHALL BE REPLACEMENT OR REPAIR AS PROVIDED ABOVE. IN NO EVENT WILL ROSE ELECTRONICS BE LIABLE TO YOU FOR ANY DAMAGES INCLUDING ANY LOST PROFITS, LOST SAVINGS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF OR THE INABILITY TO USE SUCH PRODUCT, EVEN IF ROSE ELECTRONICS OR AN AUTHORIZED DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY.

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# DECLARATION OF CONFORMITY

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## **FCC Radio Frequency Interference Statement Warning**

This device complies with FCC Part 15 Subpart B.

## **CE Statement**

The product meets European Standard EMC EN 55022 Class B and EN 55024.

## **IC Statement**

This Class B digital apparatus complies with Canadian ICES-003.

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# INTRODUCTION

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## Disclaimer

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While every precaution has been taken in the preparation of this manual, the manufacturer assumes no responsibility for errors or omissions. Neither does the manufacturer assume any liability for damages resulting from the use of the information contained herein. The manufacturer reserves the right to change the specifications, functions, or circuitry of the product without notice.

The manufacturer cannot accept liability for damages due to misuse of the product or other circumstances outside the manufacturer's control. The manufacturer will not be responsible for any loss, damage, or injury arising directly or indirectly from the use of this product.

## General Description

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Thank you for choosing the Rose Electronics® USB Audio Converter. Use it to convert USB audio to analog stereo audio. The USB Audio Converter also supports monaural microphone input.



## Features

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- Converts USB audio to high quality stereo analog audio
- Compact size (2.25 x 1.0 x 0.5 in)
- Plug and Play convenience, drivers not required for Windows, Linux, or Mac OS X v10.0 or later
- USB bus powered, requires no external power
- Works with both USB 2.0 and USB 1.1 ports
- USB Audio Device Class Specification 1.0 compliant
- Supports mono microphone input
- Buttons for volume increase and decrease
- Separate mute buttons for microphone input and speaker output
- LED indicators for microphone mute status and USB connection status
- Type A USB connector and 3.5 mm mini-jack audio connectors

# INSTALLATION AND OPERATION

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## Installation

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The installation process is simple and straightforward.

- Plug the Converter into a USB host type A receptacle on your audio source such as a computer
- Connect stereo speakers or headphones to the output jack
- Connect a microphone to the input jack, if necessary

When the USB host indicates that the new USB device is ready for use, the speakers and microphone will be operational.

## Operation

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### Volume

Stereo output volume can be adjusted by standard computer controls, or by the volume up and volume down buttons on the Converter.

### Muting

Separate mute buttons for the microphone and speakers are also provided.

# SERVICE AND MAINTENANCE

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## Maintenance and Repair

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This Unit does not contain any internal user-serviceable parts. In the event a Unit needs repair or maintenance, you must first obtain a Return Authorization (RA) number from Rose Electronics or an authorized repair center. This Return Authorization number must appear on the outside of the shipping container.

See Limited Warranty for more information.

When returning a Unit, it should be double-packed in the original container or equivalent, insured and shipped to:

Rose Electronics

Attn: RA \_\_\_\_\_

10707 Stancliff Road

Houston, Texas 77099 USA

## Technical Support

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If you are experiencing problems, or need assistance in setting up, configuring or operating your USB Audio Converter, consult the appropriate sections of this manual. If, however, you require additional information or assistance, please contact the Rose Electronics Technical Support Department at:

Phone: (281) 933-7673

E-Mail: [TechSupport@rose.com](mailto:TechSupport@rose.com)

Web: [www.rose.com](http://www.rose.com)

Technical Support hours are from: 8:00 am to 6:00 pm CST (USA), Monday through Friday.

Please report any malfunctions in the operation of this Unit or any discrepancies in this manual to the Rose Electronics Technical Support Department.

# PRODUCT SAFETY

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## Safety

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The CrystalLink Extender has been tested for conformance to safety regulations and requirements and has been certified for international use. Like all electronic equipment, the CrystalView Mini USB should be used with care. To protect yourself from possible injury and to minimize the risk of damage to the Unit, read and follow these safety instructions.

- Follow all instructions and warnings marked on this Unit.
- Except where explained in this manual, do not attempt to service this Unit yourself.
- Do not use this Unit near water.
- Assure that the placement of this Unit is on a stable surface.
- Provide proper ventilation and air circulation.
- Keep connection cables clear of obstructions that might cause damage to them.
- Use only connection cables designed for this Unit.
- Keep objects that might damage this Unit and liquids that may spill, clear from this Unit.
- Do not use liquid or aerosol cleaners to clean this Unit.
- Do not use to link between buildings.
- If the building has 3-phase AC power, try to ensure that equipment connected to the Local and Remote units is on the same phase.
- Try not to route the CATx link cable alongside power cables.
- Ensure that any device connected to the Remote unit is connected to power ground and does not use an isolated power supply.
- Ensure that the system connected to the Local unit is connected to power ground.

Unplug this Unit and refer servicing to a qualified service center if any of the following conditions occur:

- The connection cables are damaged or frayed.
- The Unit has been exposed to any liquids.
- The Unit does not operate normally when all operating instructions have been followed.
- The Unit has been dropped or the case has been damaged.
- The Unit exhibits a distinct change in performance, indicating a need for service.



# APPENDICES

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## Appendix A - General Specifications

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Part Number	CNV-USB-A2-7.1
Dimensions (W x D x H)	1" x 2.25" x 0.5" (25.4 x 57.2 x 12.7 mm)
Weight	0.5 lb ( kg)
Power	0.5W
Distance	Audio: 10 feet (3.0m)
Connectors	USB: Type A Audio Out: 3.5mm stereo jack Microphone In: 3.5mm stereo jack
Controls	Activity: 2 LED's Power: USB interface

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