

User Manual

Model 979T and 979R Digital Audio Converters



Audio  Authority®

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WARNINGS

- Read these instructions before installing or using this product.
- To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.
- This product must be installed by qualified personnel.
- Do not open the cover—there are no user-serviceable parts inside.
- Do not expose this unit to excessive heat.
- Install only in dry, indoor locations.
- Clean the unit only with a dry or slightly dampened soft cloth.

LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. Audio Authority cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

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1.0 INTRODUCTION

Thanks for purchasing this digital audio converter from Audio Authority. The 979T converts stereo analog audio signals to digital pulse code modulated audio signals, and the Model 979R converts digital audio to stereo analog audio signals. These products are useful when audio equipment to be interconnected does not have matching audio signal facilities. These converters are also useful when pre-installed audio wiring requires stereo audio to travel over one coaxial cable.

Each converter houses high-performance audio A-to-D or D-to-A circuitry in a small, mountable package. The Model 979R accepts 44.1KHz to 192 KHz PCM audio inputs. Model 979T is factory-set for 48KHz output but also allows 96KHz sample rate to be selected by internal jumper.

Audio Authority offers an extensive line of audio and video switchers, converters, and distribution amps available for purchase online at www.audioauthority.com or through authorized dealers.

1.1 FEATURES

- High bandwidth
- Model 979R accepts either coaxial or optical PCM inputs
- Model 979T delivers both coaxial and optical outputs simultaneously
- Nominal digital audio signal is 0.5 volt at 75 ohms
- Nominal analog audio level is 1 volt RMS
- Compact form factor: 1.33 x 3.36 x 4.25 (HxWxD, inches)

2.0 CHECKING PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- Audio Converter
- 12V DC Power Adapter
- User Manual

Note: Please retain the original packing material in case you need to return the unit. If you find any items are missing, contact Audio Authority immediately. Have the model number and invoice available for reference when you call.



3.0 INSTALLATION

Before connecting these products, make sure that the signal levels of the related equipment match the levels specified for the 979 converters:

- Nominal digital audio signal is 0.5 volt at 75 ohms
- Nominal analog audio level is 1 volt RMS

Most consumer audio equipment matches these parameters and will not cause any problems.

- Connect these converters using high-quality patch cords. Do not connect cables longer than 20 feet (6m) into or out of these products. Either optical or coaxial cables may be used on the digital connections.
- If desired, mount the 979R or 979T to a surface using the built-in mounting holes.
- The Model 979R accepts common sample rates from 44.1 to 192KHz. If the 96KHz sample rate is required from the Model 979T, contact Audio Authority Service at 800-322-8346 for instructions.
- Power the converter(s) from the included 12 volt DC power supply and observe desired performance.

If you encounter difficulty, contact the Audio Authority Technical Service department via email: support@audioauthority.com, or call 800-322-8346 or 859-233-4599.



4.0 SPECIFICATIONS

Model Number	979R	979T
Analog/Digital	D to A converter	A to D converter
Digital Input/Output Type	Coaxial+optical	Coaxial+optical
Input Impedance	75 ohms	47.5K ohms
Min Load Impedance	10K ohms	75 ohms
Multi-channel	No (2 channel PCM only)	No (2 channel PCM only)
Frequency Response	44.1-192KHz sample rate	48/96KHz sample rate
Agency Approvals	FCC, CE	FCC, CE
DC Input Connector	5.5 x 2.1mm	5.5 x 2.1mm
DC Input Voltage/Polarity	12V/center positive	12V/center positive
Max DC Input Current	75mA	75mA
Power Supply	571-013	571-013

5.0 LIMITED WARRANTY

Should any consumer product from Audio Authority fail due to defects in materials or workmanship within one year from the date of the original sale to the end-user, Audio Authority guarantees that we will replace the defective product at no cost. Freight charges for the replacement unit will be paid by Audio Authority (ground service only). A copy of the invoice showing the item number and date of purchase (proof-of-purchase) must be submitted with the defective unit to constitute a valid in-warranty claim.

Units that fail after the warranty period has expired may be returned to the factory for repair at a nominal charge, if not damaged beyond the point of repair. All freight charges for out-of-warranty returns for repair are the responsibility of the customer. Units returned for repair must have a Return Authorization Number assigned by the factory.

This is a limited warranty and is not applicable for products which, in our opinion, have been damaged, altered, abused, misused, or improperly installed. Audio Authority makes no other warranties either expressed or implied, including limitation warranties as to merchantability or fitness for a particular purpose. Additionally, there are no allowances or credits available for service work or installation performed in the field by the end user.

5.1 WARRANTY SERVICE PROCEDURES

If you suspect a product defect, contact Audio Authority's Technical Service Department at 800-322-8346 or 859-233-4599 for assistance in verifying the problem. If a defect or potential defect is suspected, a replacement unit will be shipped immediately on a defect-exchange basis and a Return Authorization Number will be issued for the return of the defective product. Replacement units are sent out at the Manufacturer's Suggested Retail Price which is debited to the Customer's Credit Card at the time of shipment. Once we receive the defective unit back at the factory, it will be evaluated under the conditions of this warranty and if found to be in-warranty, a full credit will be issued to the Customer's Credit Card. Return freight charges for the defective unit are the customer's responsibility. Please contact our Technical Service Department for complete details concerning all in and out of warranty service matters.

We appreciate your confidence in our products and services and will always strive to meet or exceed your needs.

6.0 REGULATORY COMPLIANCE

The 979T and 979R have been tested for compliance with CE and FCC rules and regulations. The Power Adaptor/Supply included has been tested for compliance with UL, CE, and CSA rules and regulations and is RoHS compliant.

7.0 CONTACT INFORMATION

If you have questions or require assistance with this product in areas not covered by this manual, please contact Audio Authority using the information below.

Audio Authority Technical Service
800-322-8346 M-F 8:30 AM to 5:00 PM, EST
International: 859-233-4599 Fax: 859-233-4510
Send email to: support@audioauthority.com

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