

User Manual

HD to Composite Video Downconverter



Model 1360

Audio Authority®



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.

Audio Authority reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable.

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1.0 INTRODUCTION

Thank you for purchasing a Model 1360 from Audio Authority. This mini-scaler is a simple and economical way to integrate standard definition TVs into a high-definition distribution network, among other applications.

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

1.1 FEATURES

- Automatically down converts incoming HDTV images to NTSC or PAL
- Supports HDTV input resolutions up to 1080p
- Scales HDTV video to Composite/S-Video
- Supports both NTSC/PAL Television Standards
- Provision for Image Overscan and Underscan
- Easy to install and simple to operate
- Small, palm size footprint

2.0 CHECKING PACKAGE CONTENTS

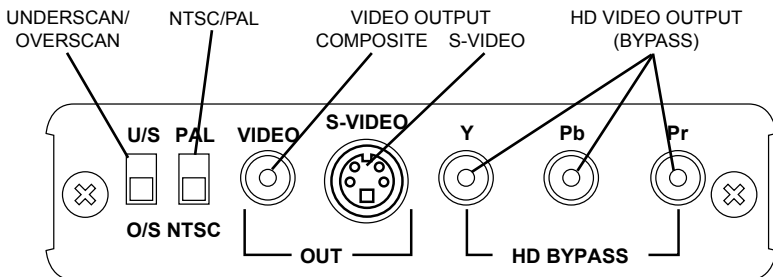
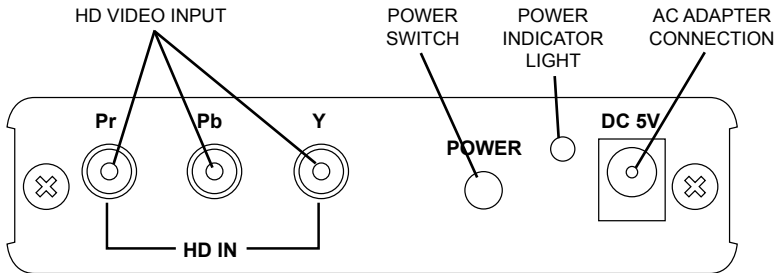
Before connecting the 1360, please make certain the following items are in the shipping carton:

- 1360 scaler
- 5V 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

- Check to make sure the source is producing a full screen picture* (not letterbox) by connecting it to a component video input on an HDTV display. Make sure the standard definition TV is also working.
- Turn off the intended video source and the TV(s).
- Connect a component video source (YPbPr or YCbCr) to the inputs of the 1360. Use a matched set of high quality, 75 ohm video cables.
- Connect one of the standard definition outputs (S-Video or composite) to a standard definition TV. Use high quality cables – S-Video cables should be kept as short as possible.
- Optional: connect the bypass output to a component video display.
- Turn on the video source and the TV(s). Connect the 1360 power adapter to an AC outlet and press the 1360 power switch. Observe that the power light is on.



* The 1360 performs an initialization sequence each time power is applied. During this initialization, a full screen image is required on the input as opposed to letterbox. Once initialization has occurred, the 1360 tracks HDTV input resolutions and position automatically.

3.1 OPERATING THE 1360

- The 1360 detects the output resolution of the source after power is applied.
- Generally, use the NTSC mode in the USA, otherwise, set the switch to PAL.
- Adjust the underscan/overscan switch to make the picture larger or smaller.

3.2 GETTING THE BEST RESULTS

- **Output display device.** The quality of the output signal depends largely upon the type and quality of display device used. For instance, some standard definition TVs have better picture quality than others. On the other hand, some HD satellite or cable feeds carry heavily compressed video material that may not look as good as a composite video source on the same TV.
- **Distance between the 1360 and the display device.** Long distances are possible, but use high quality (coax-type) cable to avoid signal losses from impedance and interference. Use good quality RG-59, or RG-6 for long distance runs.
- **Interference.** Nearby electrical devices can have an adverse effect on signal quality. For example, older computer monitors often emit electromagnetic fields that can interfere with the performance of nearby video equipment.

4.0 TROUBLESHOOTING GUIDE

No picture on the video display – check the following:

- Check the 1360 power LED, and make certain the AC adapter is plugged in to a working AC outlet.
- Check the input and output cables for loose connections, and inspect the cables for damage, and/or substitute a known good cable.
- Make sure the NTSC/PAL switch is set correctly

Poor quality picture or bad picture position – check the following:

- Use high quality composite or S-Video and component video cables.
- Always make sure the source is producing a full screen picture (not letterbox) on 1360 power up. See the explanation at the bottom of page 5.
- Use the U/S or O/S mode (underscan or overscan) to resize the picture on the screen.

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

5.0 SPECIFICATIONS

| | |
|----------------------------|---|
| Input Format | YPbPr HDTV component video |
| Input Signal | 480p through 1080p |
| Output Format | S-Video (SV) or composite video (CV) |
| Output Signal Modes | NTSC or PAL standard |
| Input Connector | 3 RCA |
| Output Connectors | Composite Video via RCA jack, S-Video via 4-pin DIN jack YPbPr bypass via 3 RCA connectors |
| Device Control | Power on/off, auto HDTV resolution sense, NTSC/PAL select |
| Output Adjustments | NTSC/PAL selection, overscan, underscan |
| Limited Warranty | 1 year, parts and labor |
| Weight | 0.51lbs (230g) |
| Dimensions (H-W-D) | 0.98 x 4.1 x 4.0 inches (25x105x102mm) |
| Power Source | 100~240VAC to 5VDC adapter |

7.0 LIMITED WARRANTY

If any consumer product from Audio Authority fails 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.

7.1 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 Support 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.

8.0 REGULATORY COMPLIANCE

The 1360 has been tested for compliance with CE and FCC rules and regulations. The power supply included has been tested for compliance with UL, CUL, CE, PSE, and GS regulations and guidelines. This product and its power supply are RoHS compliant.

9.0 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 Support
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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