

User Manual

Model 1351 DVI Repeater with HDCP



Audio Authority®

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1.0 INTRODUCTION

Thanks for purchasing this 1351 HDCP (High-bandwidth Digital Copy Protection) compliant DVI Repeater from Audio Authority. The 1351 DVI Repeater is designed to extend the distance a DVI signal with HDCP can be sent up to 40 feet (12 meters). Audio Authority also offers an extensive line of audio/video switchers, converters and distribution amps available for purchase online at www.audioauthority.com.

1.1 Liability Statement

Every effort has been made to ensure that this product is free of errors. 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 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. This statement does not affect the legal rights of the user in any way.

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1.2 FEATURES

The 1351 DVI Repeater has many features that enable it to perform in a superior manner. Among those features you will find:

- Ultra-Compact, High Performance Unit
- Supports resolutions to WUXGA and 480i, 480p, 720p, 1080i, 1080p
- DDC (Display Data Channel) Pass-thru from Display
- HDCP Compliant (High-bandwidth Digital Copy Protection)
- Extends DVI Signals 40 feet (using premium cable)
- Cascade up to 3 units (using premium cable)
- Rugged Metal Case

2.0 SPECIFICATIONS

Performance	
Maximum Distance	40 Feet (Note 1)
Maximum Cascade	3 Units (Note 1)
Bandwidth	165Mhz @ 40' (12m) Maximum
HDTV Resolutions Supported	480i, 480p, 720p, 1080i, 1080p
Maximum PC Resolution	1920 X 1200 @ 60Hz (WUXGA)
Power On	LED
Mechanical	
Size (H-W-D)	1.15"x3"x4.65" (29x75x118mm)
Weight (Net)	11 oz (305g)
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	0° to +48° C (+32° to +120° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing
Power Requirements	
External Power Supply	9VDC@600ma
Regulatory Approvals	
Amplifier Units	FCC, CE
Power Supplies	UL, CE, CSA
Accessories Included	
AC Power Cable	(USA)
Operations Manual	
Notes	(1) Use Premium 24 gauge cable.

3.0 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:

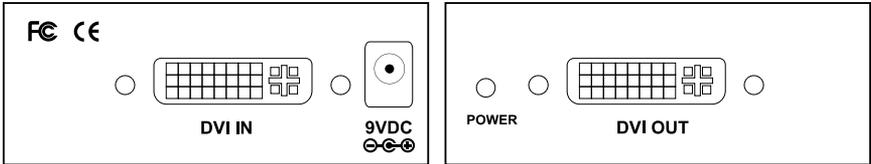
- 1351 DVI-I HDCP Compliant Repeater
- AC Power Adapter
- User Manual

Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact Audio Authority immediately. Have the Model Number, Serial Number and Invoice available for reference when you call.

4.0 CONNECTING THE HARDWARE

Please study the panel drawings below and become familiar with the signal input, output and power input.

Model 1351 DVI Repeater



5.0 OPERATING THE UNIT

- Turn off DVI Source and the DVI capable monitor.
- Connect a DVI extension cable between the DVI Source and the 'DVI In' port of repeater (6 feet long or less).
- Connect a DVI extension cable between the monitor and the 'DVI out' port of repeater (no longer than 40 feet).
- Connect the DC power cord from the AC Adapter to the unit and plug the AC adapter into an active AC outlet.
- Turn on the DVI Source and DVI capable monitor.

6.0 TROUBLESHOOTING

If the repeater does not appear to be functioning, make certain that both the DVI source and DVI capable monitor are functioning correctly by connecting the DVI source directly to the monitor using a cable with a length of 6 feet or less. If the signal is present, make certain that the Power On LED is lighted on the 1351. If it is, measure the cable length you are attempting to use between the source to the repeater and the repeater to the monitor. The cable from the source to the repeater should be 6 foot long or less and the cable to the monitor must be no longer than 40 feet. Note that you must use high quality 24 gauge cables to achieve the distance specified. Lastly, inspect the cables and connectors for damage.

6.1 Complex Configurations

Due to the nature of High-bandwidth Digital Content Protection, and the many types of information that must be passed along the chain of devices, complex configurations involving DVI repeaters, distribution amps and switchers may not work as expected. Do not use a DVI switcher in the signal path after a distribution amp; this configuration does not work.

If the problem still persists after trying the above suggestions, contact the Audio Authority Technical Service department via email: support@audioauthority.com, or call 800/322-8346 or 859/233-4599.

7.0 LIMITED WARRANTY

Should any consumer-use 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.

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.

8.0 REGULATORY COMPLIANCE

The 1351 DVI Repeater has been tested for compliance with FCC and CE Regulations.

The Power Adaptor/Supply has been tested for compliance with UL, CSA & CE Regulations.

9.0 CONTACT INFORMATION

Should 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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