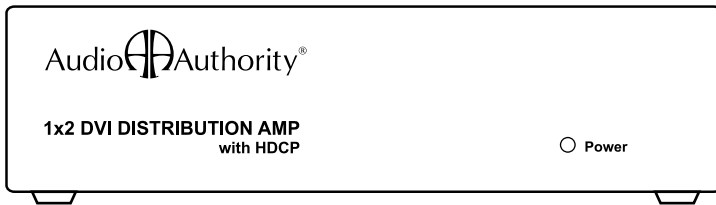


User Manual

Model 1352 and 1354 1x2 and 1x4 DVI Distribution Amplifier



Audio Authority®

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1.0 INTRODUCTION

Thanks for purchasing this 1352 or 1354 HDCP (High-bandwidth Digital Copy Protection) compliant DVI Distribution Amplifier from Audio Authority. The 1352 and 1354 DVI distribution amps are designed to allow the distribution of a single DVI HDCP compliant input to multiple DVI HDCP compliant devices. Audio Authority also offers an extensive line of audio and 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.

All third party trademarks and copyrights are recognized. The Audio Authority logo and Double A logo are the registered Trademarks of Audio Authority. All other trademarks are the property of their respective holders.

1.2 FEATURES

The 1352 1X2 and 1354 1X4 DVI distribution amps have many features that enable them to perform in a superior manner. Among those features you will find:

- Supports HDCP (High-bandwidth Digital Copy Protection)
- Supports resolutions to WUXGA and 480i, 480p, 720p, 1080i, 1080p
- One DVI HDCP signal can be distributed to either two or four DVI HDCP compliant devices (depending on Model)
- Distribution amplifiers can be cascaded

2.0 SPECIFICATIONS

Performance	
HDTV Resolutions Supported	480i, 480p, 720p, 1080i, 1080p
Maximum PC Resolution	1920 X 1200 @ 60Hz (WUXGA)
Bandwidth	165MHz
Maximum Cable Distance (Outputs)	32 feet (10M) Using Premium Cable
I/O Connectors	
DVI Destination Port Connectors	Two or four DVI-I 29 pin female
Input Port Connector	One DVI-I 29 pin female
Mechanical	
Dimension (H-W-D) (1x2 version)	1.65"x6.0"x3.0" (42x153x75mm)
Weight (1x2 version)	1.0 Pounds (475g)
Dimension (H-W-D) (1x4 version)	1.65"x8.75"x3.9" (42x269x104mm)
Weight (1x4 version)	2.1 pounds (975g)
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	0° to 40° C (+32° to +104° F)
Operating Humidity	10% to 85% Non-condensing
Storage Temperature	-20° to +60° C (+20° to +140° F)
Storage Humidity	10% to 85% Non-condensing
Power Requirements	
External Power Supply	9VDC@1.3A
Regulatory Approvals	
Switcher Unit	FCC, CE
Power Supplies	UL, CE, CSA
Accessories Included	
AC Power Adapter	(USA)
User Manual	

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:

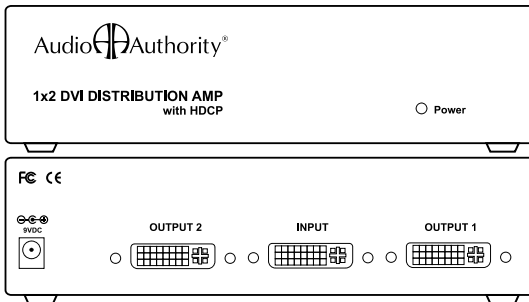
- 1352 or 1x 1354 DVI Distribution Amplifier
- 9 VDC AC Adapter
- User Manual

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.

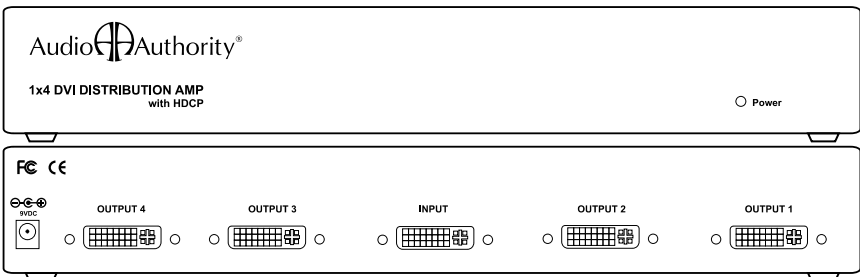
4.0 CONNECTING THE HARDWARE

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

Model 1352 1x2 DVI Distribution Amplifier



Model 1354 1x4 DVI Distribution Amplifier



5.0 OPERATING THE UNIT

Before installation, please make sure all devices you wish to connect have been turned off.

- Connect a DVI HDCP compliant signal to the input connector using premium quality cable.
- Connect two or four (depending on model) DVI HDCP compliant devices to the Distribution Amplifier's outputs using premium quality cable. *
- Plug the 9 VDC power adapter into the rear of the unit.
- Plug the Power Adapter into a working AC outlet.
- Power on all input and output devices.
- The DVI-HDCP input signal should now be available to all devices connected to the device outputs.

* Note: An HDCP compliant monitor or other HDCP compliant device must be connected to output number 1 for the other outputs of the distribution amp to function properly. Once connected, this output cannot be disconnected without adversely affecting the other outputs. The reason for this requirement has to do with the copy protection scheme used in HDCP devices and the DDC2 (Display Data Channel) layer used to identify the characteristics of the connected devices. Also, because of the DDC2 layer, the resolution capability of the device on output number 1 is the defining factor for the resolution of all other outputs. For this reason, if you intend to feed monitors or projectors with the distribution amp outputs and the resolution capability of the devices vary, make certain you connect a device with resolution capability compatible with all monitors or projectors to output number 1 of the distribution amp.

6.0 TROUBLESHOOTING

If the Distribution Amplifier does not appear to be functioning, make certain that the DVI source and all of the devices connected to the unit are functioning correctly by connecting each DVI device currently connected to the Amplifier's outputs directly to the DVI source using a cable with a length of 6 feet or less. (In other words, bypass the amplifier to make certain that the problem is not with the source or destination devices) If the signal is present under those conditions, make certain that the power is present to the distribution amp. If it is, measure the cable length you are attempting to use between the sources to the switcher and the switcher to the monitor. The input cables should be 6 feet or less in length and the output cables must be less than 33 feet long and all cables should be premium quality. Lastly, inspect the cables and connectors for damage.

6.1 Non-HDCP Compliant Devices

If some devices connected to the distribution amp outputs work but others do not, make certain that the devices that do not appear to work are HDCP compliant. A non-HDCP compliant device will not work with a signal that has HDCP encoding present.

6.2 Cable Length

If you need to span a distance of greater than 6 feet to reach the distribution amp's input, purchase Audio Authority's 1351 DVI Repeater which will allow you to extend a cable run up to 40 feet using premium cable.

6.3 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 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 1352 and 1354 DVI Distribution Amplifier have 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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