

# User Manual

## Model 1332 and 1334 2x1 and 4x1 DVI Switcher with HDCP



Audio Authority®



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## **1.0 INTRODUCTION**

Thanks for purchasing this 1332 or 1334 HDCP (High-bandwidth Digital Copy Protection) compliant DVI Switcher from Audio Authority. The 1332 and 1334 DVI Switchers are designed to allow the switching of multiple HDCP compliant DVI signals to one DVI HDCP complaint display device. Audio Authority also offers an extensive line of audio and video switchers, converters and distribution amps available for purchase online at [www.audioauthority.com](http://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**

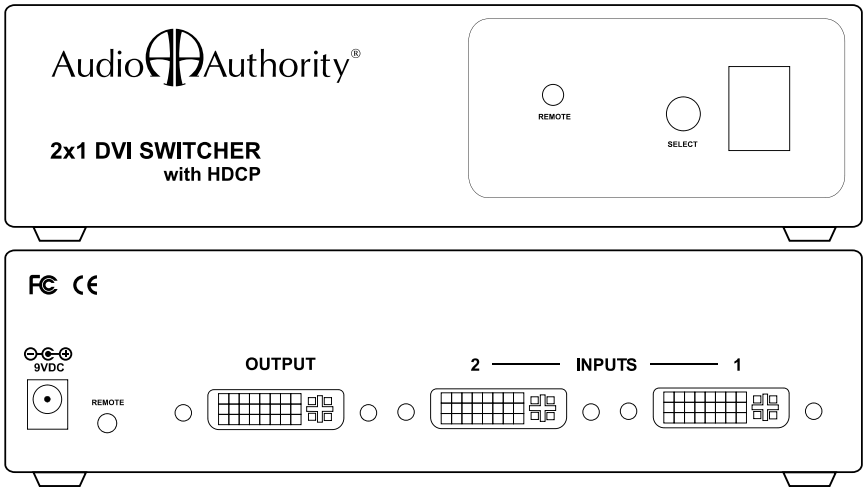
The 1332 2X1 and 1334 4X1 DVI Switchers have many features that enable them to perform in a superior manner. Among those features you will find:

- Supports HDCP (High-bandwidth Digital Copy Protection)
- Supports DDWG (Digital Display Working Group) standard resolution
- Two or Four DVI Sources share one DVI compliant monitor, HDTV display or Home Theatre Projector
- Use the unit's push button controls or included IR remote to switch display devices

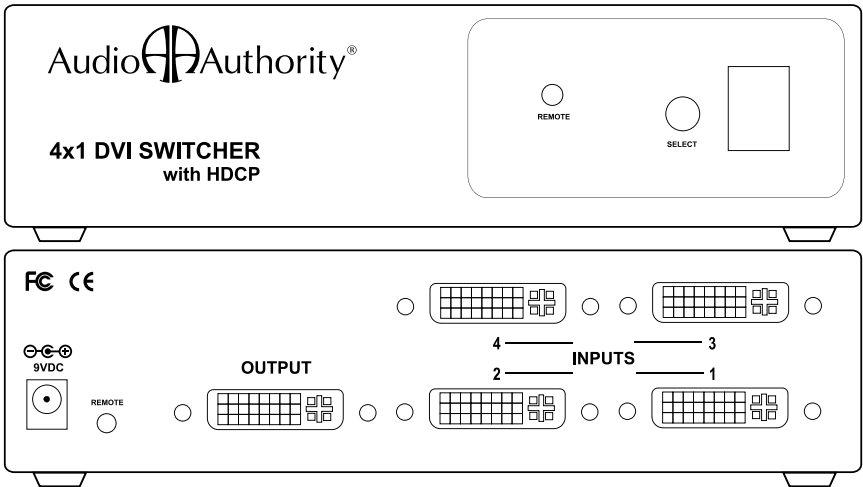
## 2.0 SPECIFICATIONS

<b>Performance</b>	
HDTV Resolutions Supported	480i, 480p, 720p, 1080i, 1080p
Maximum PC Resolution	1920 X 1200 @ 60Hz (WUXGA)
Bandwidth	165MHz
DVI Source Port Connectors	2x or 4x DVI-I 29 pin female
Display Device Port Connector	1x DVI-I 29 pin female
Display device selection	Push Button or Remote
<b>Mechanical</b>	
Dimension (H-W-D)	1.5"x6.3"x2.8" (45x162x72mm)
Weight	14 oz (400g)
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
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
<b>Power Requirements</b>	
External Power Supply	9VDC@1.3A
<b>Regulatory Approvals</b>	
Switcher Unit	FCC, CE
Power Supplies	UL, CE, CSA
<b>Accessories Included</b>	
DVI Cable	6' (2m) DVI-I Connectors
AC Power Adapter	(USA)
User Manual	

Model 1332 2x1 DVI Switcher



Model 1334 4x1 DVI Switcher



### **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:

- 1332 or 1334 DVI Switcher with Remote Control
- DVI Cable
- 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 inputs, output, power requirements/inputs plus any controls present.

### **5.0 OPERATING THE UNIT**

Before installation, please make sure all devices to be connected to the switcher have been turned off.

- Connect your DVI display to the switcher's DVI output with high quality DVI cable. (Note: some HDMI displays may not perform correctly if the switcher's output signal is converted to HDMI.)
- Connect 2 or 4 DVI sources to the switcher's inputs (total depends on switcher model) with high quality DVI 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.
- Select the DVI source you want to view as explained below.

You can select the inputs you want to access in two ways: front panel push button selection or via the remote control included with the package content.

#### **5.1 Front Panel Push Button Selection**

Push button selection is used to select the input to be displayed on the screen. Pressing the button during normal operation will cause the next input position to be selected in sequence.

## 5.2 Remote Control Selection

Input selection is also possible using the provided remote by pressing the appropriate button.

If you have a problem with the IR control conflicting with other devices, the remote allows users to reconfigure four (A, B, C, D) alternate combinations of IR codes. The default code is A.

Push and hold the IR code button (A, B, C or D) on remote control panel for 2 seconds. The 7-segment LED display will show the IR code for one second when the new IR code is set.



## **6.0 TROUBLESHOOTING**

If the switcher does not appear to be functioning, make certain that all the DVI sources and the DVI capable monitor are functioning correctly by connecting each DVI source in turn directly to the monitor using a cable with a length of 6 feet or less. If the signal is present under those conditions, make certain that the power is present on the switcher. 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 cables must be 6 foot long or less. Lastly, inspect the cables and connectors for damage.

### **6.1 HDMI Displays**

The 1332 or 1334 DVI output signal can be converted to HDMI using a cable or converter, but the resulting signal may not be compatible with all HDMI displays.

### **6.2 Cable Length**

If you need to span a distance of greater than 6 feet, purchase Audio Authority's 1351 Repeater which will allow you to extend a cable run up to 40 feet.

### **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](mailto:support@audioauthority.com), or call 800/322-8346 or 859/233-4599.

## **7.0 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.

### **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 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 1332 and 1334 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](mailto:support@audioauthority.com)

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