

User Manual

HDMI®

EDID Controller

Audio  Authority®

800-322-8346 • 859-233-4599 • www.audioauthority.com

EDID CONTROLLER
Model 1322

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User Manual

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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 product or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the product 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 this HDMI® EDID Controller from Audio Authority®. This device is designed to ensure reliable, responsive EDID and CEC operation between a source and display. Without the 1322, the source and display(s) must synchronize before any video image appears, often resulting in inconvenient delays, and unpredictable settings. The 1322 ensures that the desired video and audio settings are preserved, and in complex systems, it can significantly reduce synchronization time.

Audio Authority audio/video switchers, converters, and distribution amps can be purchased at www.audioauthority.com or through authorized dealers.

1.1 SYSTEM FEATURES

- Permanent EDID settings streamline the HDMI switching process
- Insures desired settings remain intact when switching sources and displays
- Prevents drop-outs due to EDID conflicts
- Built-in CEC support with compliant CEC PHY
- Supports 480i/p, 576i/p, 720p, 1080i/p HDTV resolutions
- Supports VGA, SVGA, XGA, SXGA to UXGA PC resolutions
- Supports Deep Color
- Supports Dolby® Digital TrueHD and DTS-HD Master Audio
- Supports up to 36 bit digital audio
- HDMI input and output cable length may be up to 32 feet (10m)
- HDMI version 1.3, DVI version 1.0, and HDCP compliant

2.0 CHECKING PACKAGE CONTENTS

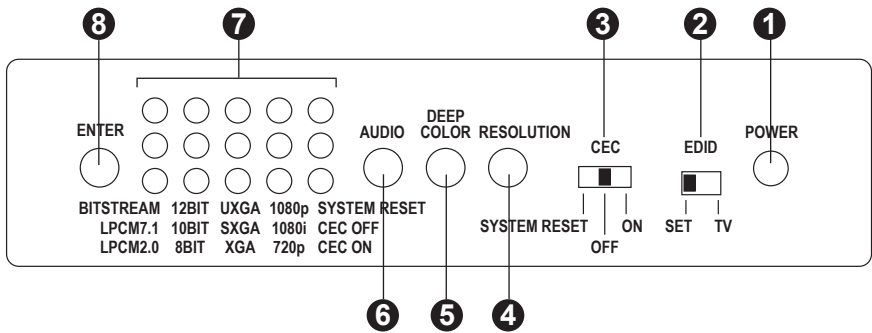
Before connecting the system, please make certain the following items are in the shipping carton.

- 1322 EDID Controller
- 5V DC power adapter
- User manual

Note: Please retain the original packing material and invoice 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 CONTROLS AND FUNCTIONS

- 1. Power** – Turns the 1322 on or off (off = standby mode).
- 2. EDID** – To use 1322 settings, select SET.
- 3. CEC** – Select on, off, or system reset mode with the CEC switch. On allows the source access to the display's CEC. Off disables CEC functions in the system. If CEC is switched to SYS.RST, this means the system will reset every 8~10 minutes.



- 4. Resolution** - Select a resolution: UXGA, SXGA, XGA, 1080p, 1080i, or 720p. Use a PC monitor or a monitor that supports PC mode when selecting PC resolution (UXGA, SXGA, or XGA).
 - 5. Deep Color** – Choose 12, 10, or 8 bit deep color.
 - 6. Audio** – Selectable audio Bitstream from Dolby® TrueHD or DTS-HD to LPCM 7.1 or 2.0.
- Note: The above key selections only function when EDID is switched to SET.

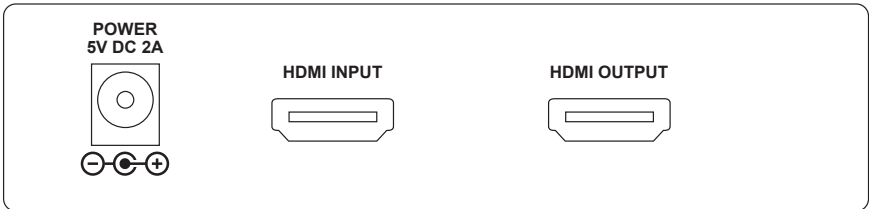
7. Indicator lights – Visual feedback for setup confirmation.

BITSTREAM	12BIT	UXGA	1080p	SYSTEM RESET
LPCM7.1	10BIT	SXGA	1080i	CEC OFF
LPCM2.0	8BIT	XGA	720p	CEC ON

8. Enter key – Press to activate and save new settings.

4.0 INSTALLATION

- HDMI INPUT – Connect the source device **directly** to the 1322 with a short HDMI cable. Do not install the 1322 after any other device in the signal path.
- HDMI OUTPUT – Connect the 1322 to HDMI display(s) or other in-line device with an HDMI cable, or via an extender.
- Use good strain relief methods on HDMI cables to prevent loose connections.
- Power – Connect the DC power adapter cord and plug into an AC power outlet.
- Power the system for setup and final testing.



4.1 SETUP

In many applications, the 1322 is particularly useful to insure that the correct resolution and audio settings are maintained when switching between video displays or in multiple display video distribution systems.

Operate the controls moving from the right to the left. When setting Resolution, Color, and Audio, press the button once or several times until the light indicates the desired setting. Press Enter to apply and save all settings.

The following steps illustrate the setup procedure:

1. Connect and power up the 1322 as directed above.
2. Switch settings: EDID = SET and CEC = OFF.
3. Resolution = 1080p.
4. Deep Color = 8 BIT.
5. Audio = BITSTREAM.
6. Press Enter and observe desired results.

5.0 TROUBLESHOOTING

- **Poor image quality:** Some sources, such as cable and satellite receivers, compress output resulting in poor image quality. Connect the source directly to a display via a short HDMI® cable to compare.
- **Intermittent signal dropout:** Cable is longer than rated distance for the bandwidth of the source signal. Reduce bandwidth or cable length.
- **No surround sound (multi-channel audio):** adjust the source to output the desired digital audio format, and make certain the destination device is capable of receiving it.
- **No picture:** perform the verifications below.
 - Check the HDMI cables at input and output connections to see if any of the connectors have become loose. Use good strain relief methods.
 - Test using known good HDMI cables, or try shorter cables.
 - Make certain the 1322 is connected to a live AC outlet and check the indicator lights to verify the unit is powered on. If the indicators are off, press the Power button.
 - Verify that the 1322 is set to a resolution supported by the display.

Contact Audio Authority Technical Service at support@audioauthority.com, or call 800-322-8346 or 859-233-4599.

6.0 SPECIFICATIONS

DIGITAL AUDIO/VIDEO I/O	
HDMI input	1x via HDMI female (type A connector)
HDMI output	1x via HDMI female (type A connector)
PERFORMANCE	
TMDS clock speed	225MHz
Data bit rate	2.25Gbps (single link)
Digital Audio	Multi-channel, lossless audio formats
Power Consumption	2.7W
ENVIRONMENTAL	
Operating Temperature	0C ~ 40C C (+32° to +104° F)
Operating Humidity	10% to 90%, non-condensing
Storage Temperature	-10° to +70° C (12° to +158° F)
Storage Humidity	10% to 90%, non-condensing
REGULATORY APPROVALS	
1322	HDMI, HDCP, RoHS
Power Supply	US/EU standards, CE, FCC, UL
MECHANICAL	
Dimensions: H-W-D, inches (mm)	1.2 x 3.9 x 4.9 (30 x 97 x 125)
Unit Weight	8.8 oz (250g)
Case Material	Aluminum
ACCESSORIES INCLUDED	
Power Adapter	5VDC 2A, locking connector
User Manual	Printed, 12 pages
WARRANTY	
Limited Warranty	1 year, parts and labor

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 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 1322 complies with HDMI® and HDCP rules and regulations. The power supply included has been tested for compliance with UL, CUL, CE, PSE, and GS rules 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 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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