

User Manual

Model EDP-11

Cat 5 HDMI Extender System



1384TD and 1384RD

Transmitter / Receiver Wallplates

Audio  Authority[®]

User Manual

Model EDP-11 Cat 5 HDMI Extender System



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 moisture.
- This product must be installed by qualified personnel.
- Do not open the case—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.

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1.0 INTRODUCTION

Thank you for purchasing this Cat 5 HDMI extender system from Audio Authority. The EDP-11 transmits HDMI signals digitally over Cat 5 cables. Using Cat 5e or Cat 6 cables allows installers to use less expensive wire over longer distances, and terminate the cables in the field. The EDP-11 can achieve distances from 115 to 195 feet depending on the type of cable used, and the resolution and audio bit rate of the source and sink.

Note: the EDP-11 (Models 1384TD and 1384RD) Transmitter and Receiver only operate together, and do not function with any other Cat 5 system components, such as the 1381T or 1381R.

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

1.1 SYSTEM FEATURES

- Maximum resolutions: 1080p @ 60Hz, 1920x1200
- Supports 480i, 480p, 720p, 1080i, 1080p and multiple PC resolutions
- Requires two Cat 5e or Cat 6 UTP cables (Cat 6 is recommended)
- Maximum distance using Cat 5e cable: 115 ft (1080p) or 130 ft (1080i)
- Maximum distance using Cat 6 cable: 145 ft (1080p) or 195 ft (1080i)
- Supports up to 36 bit color depth /12 bits per color (TMDS channel)
- Supports Dolby Digital Plus, Dolby Digital TrueHD and DTS-HD: Master Audio
- HDMI version 1.3 compliant, HDCP 1.1 compliant

2.0 CHECKING PACKAGE CONTENTS

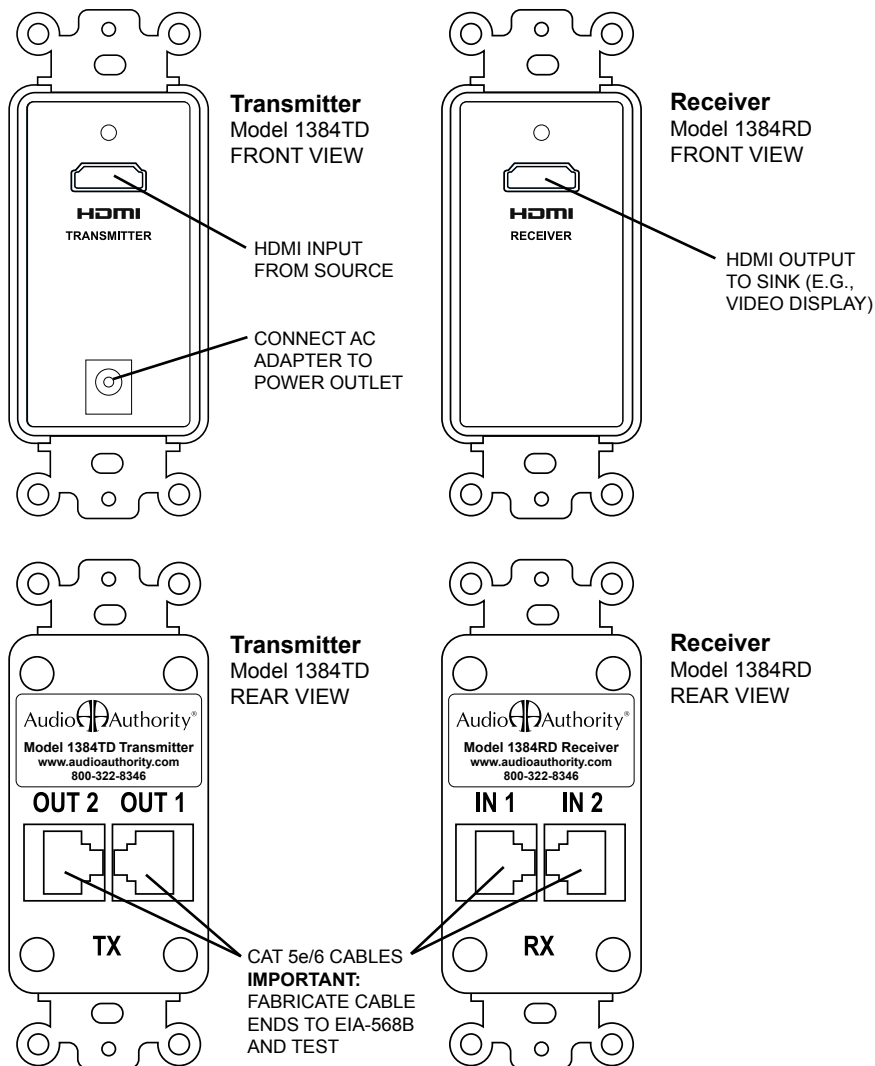
Before connecting the EDP-11, please make certain the following items are in the shipping carton. (If you purchased the 1384TD or 1384RD separately, ignore irrelevant items.)

- 1384TD Transmitter with Decora® trim cover
- 1384RD Receiver with Decora® trim cover
- 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

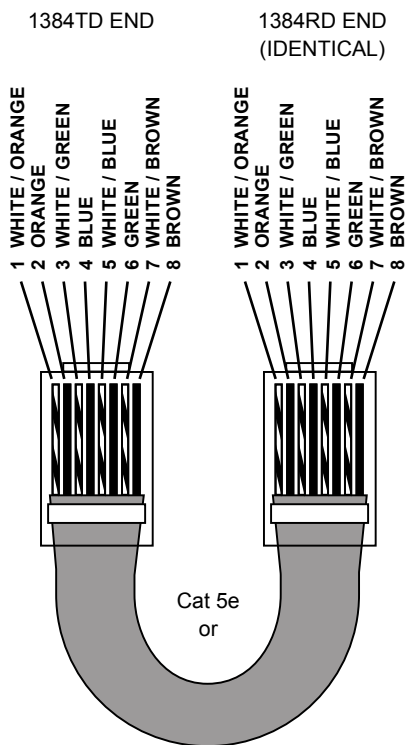
Before connecting the EDP-11 Cat 5 extender system, verify that the display device on the receiving end can support the output resolution and signal format by connecting it directly to the source device via a short, known good, HDMI cable. The panel drawings below show the Cat 5 signal output/input connections, power connection.



3.1 TERMINATING CAT 5E/6 UTP CABLES

Cut two Cat 5e/6 cables exactly the same length (within four inches). Terminate the cables using the standard EIA 568B pairing shown below.

Correct pairing is vital, and should always be checked with a network cable tester. The correct pairing is straight through, pin-to-pin, as shown.



3.3 CONNECTING THE HARDWARE

1. Connect the HDMI source device's output to the HDMI INPUT connector of the 1384TD Transmitter, using a short, high quality, HDMI cable.
2. Connect a correctly terminated and tested Cat 5 cable to the Cat 5 Output 1 connector of the Transmitter. Connect a second Cat 5 cable to the Cat 5 Output 2. Mark the cables at both ends so that you do not inadvertently swap them. Do not connect the AC adapter until the Cat 5 cables are correctly connected to both the transmitter and the receiver.

Again, always test the HDMI source on the intended display with a known good HDMI cable before using the EDP-11. This precaution insures that the source can be (and is) set to a resolution that is compatible with the display, and that both are functioning correctly together.

3. At the remote location, connect the appropriate Cat 5 cables to the Cat 5 Input 1 and 2 connectors of the 1384RD Receiver. Be careful not to interchange the 1 and 2 cables.
4. Connect the HDMI OUTPUT of the 1384RD to the HDMI input of the video display or other device, using the appropriate cable.
5. Connect the supplied AC adapter first to the 1384TD and then to the AC outlet.
6. Turn on the source device and video display. The source video signal should appear on the display. If not, consult the Troubleshooting Guide in this manual.

4.0 TROUBLESHOOTING

- Check all of the HDMI connections to see if any of the connectors have become loose.
- Make certain the 1384TD is connected to a live AC outlet and check the power indicators on both units.
- Use a network cable tester to make certain your Cat 5e/6 cable is terminated correctly and the RJ-45 connectors are securely attached to the cable at both ends. Check for cable defects or damage.
- Temporarily connect the display device directly to the source with the 1384TD HDMI connection cable, then test with the 1384RD connection cable. If an image is present under those circumstances the display, the source, and the HDMI cables can be eliminated as the cause of the problem. Make sure A/V receiver is compatible
- If the above circumstances do not produce a picture, try a short, known good HDMI cable, and make sure the source is set up to output a resolution that the display can accept.

If you encounter difficulty, contact the Audio Authority Technical Support department via email: support@audioauthority.com, or call 800-322-8346 or 859-233-4599.

5.0 SPECIFICATIONS

Digital Audio/Video I/O	
1384TD Transmitter – HDMI In	1x via HDMI connector
1384RD Receiver – HDMI Out	1x via HDMI connector
Cat 5e/6 Connections I/O	
1384TD Transmitter – Cat 5e/6 output	2x via RJ-45 (1 & 2)
1384RD Receiver – Cat 5e/6 input	2x via RJ-45 (1 & 2)
Performance	
Maximum resolution	Up to 1920x1200, 1080p/60Hz
TMDS clock speed	225MHz
Data bit rate	2.25Gbps
Maximum range (1080i / Cat 6 cable)	Approximately 195 feet (60m)
Maximum range (1080p / Cat 5e cable)	Approximately 115 feet (35m)
Digital Audio	Multi-channel audio
Maximum Power Consumption	15 watts
Regulatory Approvals	
Transmitter and Receiver	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
Cable Requirements	
Cat 5, Cat 5e or Cat 6	Network Grade, Premium
Mechanical	
Dimensions: H-W-D inches (mm)	4.5 x 2.75 x 1.25 (114x70x31)
Accessories Included	
Power Adapter	5 VDC@2A, DC
Trim Plates	Decora (2x)
User Manual	
Warranty	
Limited Warranty	1 Year Parts and Labor

6.0 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.

6.1 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.

7.0 REGULATORY COMPLIANCE

The EDP-11 system has been tested for compliance with CE and FCC rules and regulations. The Power Adaptor/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.

8.0 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

Audio Authority Corporation
2048 Mercer Road
Lexington, Kentucky 40511-1071
USA



2048 Mercer Road, Lexington, Kentucky 40511-1071

Phone: 859-233-4599 • Fax: 859-233-4510

Customer Toll-Free USA & Canada: 800-322-8346

www.audioauthority.com