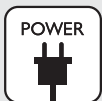




Control Your Video

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

HDMI AUDIO EXTRACTOR



Model #: C-HDM-EXD-A

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Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



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SECTION I: GETTING STARTED

I.1 IMPORTANT SAFEGUARDS

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - External causes to the product, such as electric power fluctuation or failure.
 - use of supplies or parts not meeting our specifications.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

I.2 SAFETY INSTRUCTIONS

The Avenview C-HDM-EXD-A Audio Extractor function has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the C-HDM-EXD-A should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- ⚠ Do not dismantle the housing or modify the module.
- ⚠ Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



1.3 REGULATORY NOTICES FEDERATION COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	<p>ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIRONMENT.</p>
	<p>! WARNING</p> <p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>






2. INTRODUCTION

Avenview C-HDM-EXD-A Audio Extractor allows you to extract audio signals from your HDMI source. When connecting to a TV or display you don't always get the best audio, or in the case of a PC monitor, no audio at all. So with this Audio Extractor you can take your original HDMI audio signal and convert it to digital optical or analog Stereo (L/R) audio. This means that you can output your audio signal to external speakers or extend your audio signal pathway.

2.1 PACKAGE CONTENTS

Before you start the installation of the HDMI Extender, please check the package contents.

1	C-HDM-EXD-A	X 1	
2	POWER ADAPTER (5V DC 1.2A)	X 1	
3	USER MANUAL	X 1	

2.2 BEFORE INSTALLATION

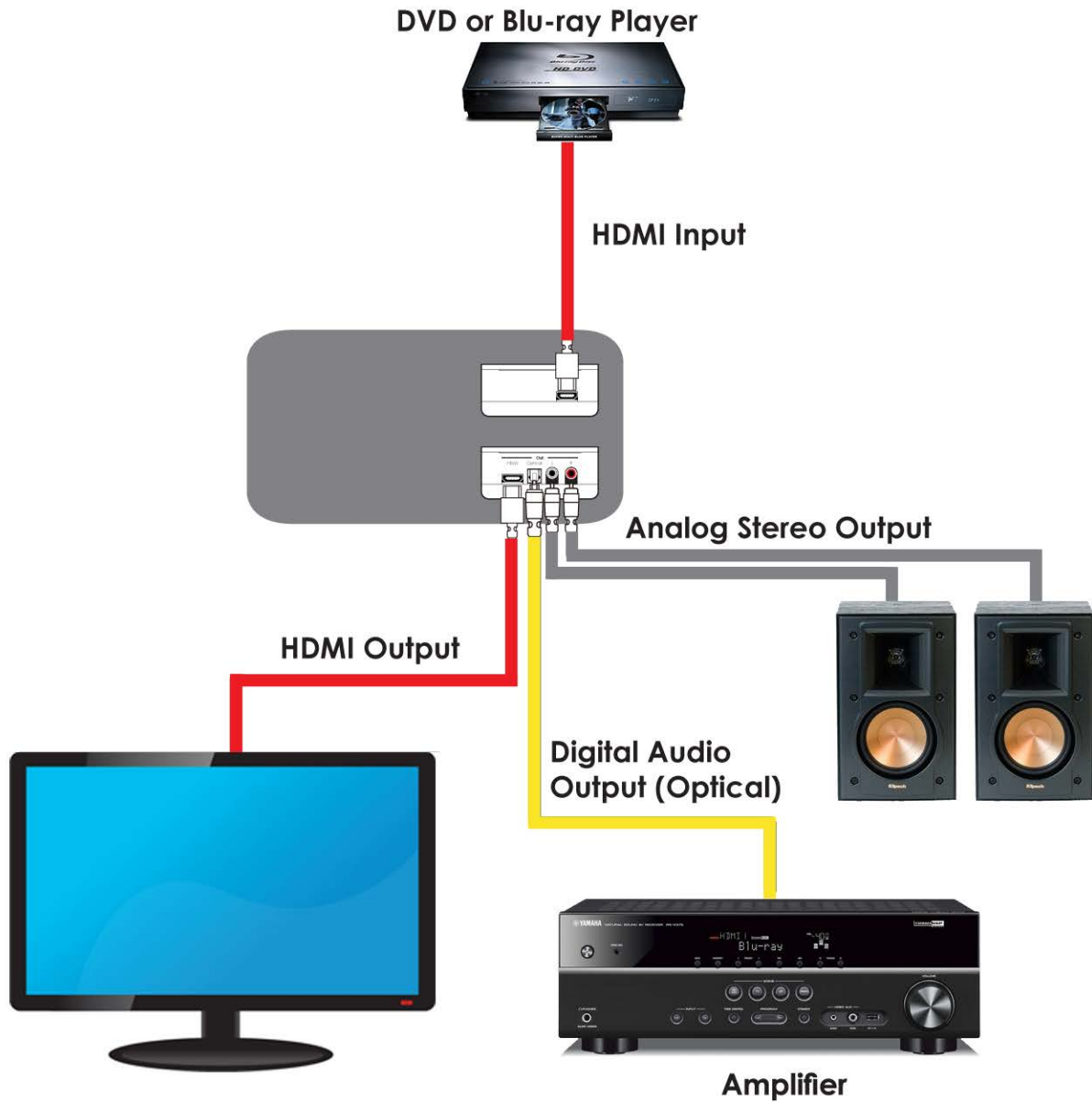
- Put the product in a level and stable location. If the product falls, it may cause damage or malfunction to components within the casing.
- Do not place the product in temperatures under 0°C or over 50°C. High humidity may also cause the unit to malfunction.
- Use the DC power adapter with correct specifications supplied with the unit. If the improper power supply is used, this may result in malfunction of the unit and may cause fire.
- Do not twist or pull by force the ends of the UTP cable. It will cause malfunction.



C-HDM-EXD-A

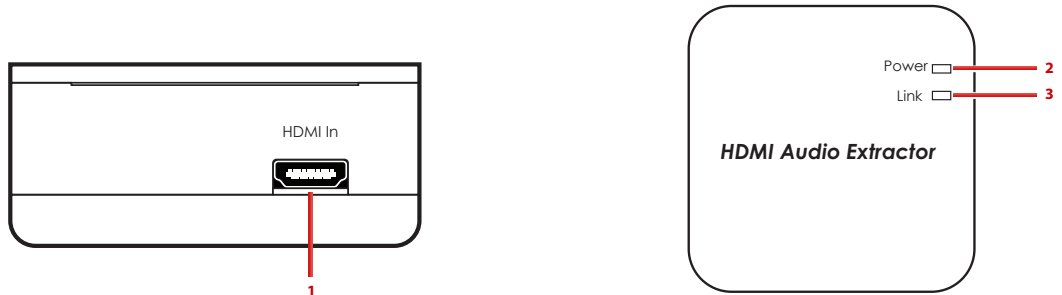
CABLE INDEX

- HDMI CABLE
- DIGITAL AUDIO (OPTICAL)
- ANALOG AUDIO L/R



2.4 PANEL DESCRIPTION

2.4.1 FRONT/TOP PANEL (C-HDM-EXD-A)

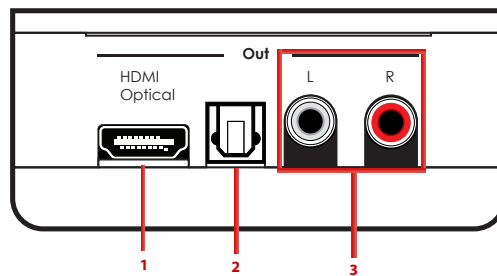


1. **DC 5V:** Connect to the 5V DC power supply into the unit and plug the adaptor to an AC wall outlet.

2. The Power LED will illuminate in blue when the unit is connected to the power supply and switched on.

3. **Link LED:** The Link LED will illuminate in green when both the source and the display are connected and have established a link. This LED will also blink once while the power is turned on.

2.4.2 REAR PANEL (C-HDM-EXD-A)



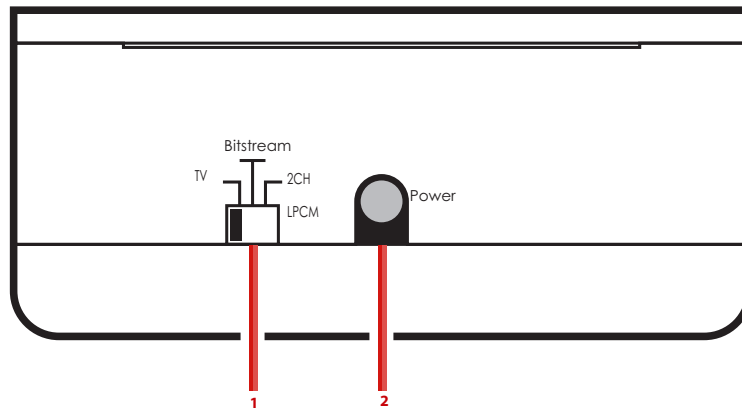
1. **HDMI Out:** Connect to the display (TV/monitor) with an HDMI cable for video and audio signal output. No HDMI output connection is required to send audio through the analog and optical outputs.

2. **Optical Out:** Connect to audio equipment such as an amplifier or Hi-Fi system with an optical cable for digital audio output. Supports up to bitstream audio 5.1CH and LPCM 2CH.

3. **L/R Out:** Connect to audio equipment such as an amplifier or active speakers with a stereo RCA cable for audio output. Supports analog stereo output only.



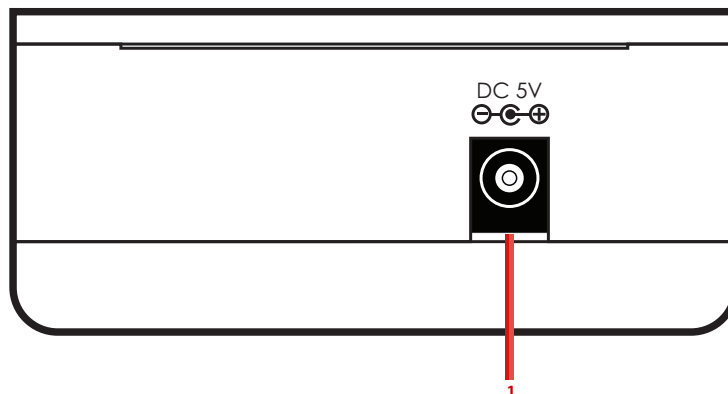
2.4.3 RIGHT PANEL (C-HDM-EXD-A)



1. TV/Bitstream/2CH LPCM: This switch allows users to select the source's audio EDID.
TV Mode: Switch to TV mode for the HDMI source to output audio per the EDID of connected TV or AV receiver, supports up to LPCM 7.1 channels.
Bitstream Mode: Switch to Bitstream mode for the HDMI source to output Bitstream audio per the built-in EDID, supports up to compressed audio 5.1 channels.
2CH LPCM Mode: Switch to 2CH LPCM mode for the HDMI source to output LPCM 2 channels audio per the built-in EDID.

2. Power: Switches the unit ON or puts the device into standby mode.

2.4.4 LEFT PANEL (C-HDM-EXD-A)



3. Link LED: The Link LED will illuminate in green when both the source and the display are connected and have established a link. This LED will also blink once while the power is turned on.



3. INSTALLATION (C-HDM-EXD-A)

To setup Avenview C-HDM-EXD-A please follow these steps for connecting to a device:

1. Turn off all devices including monitors / TV.
2. Connect a HDMI source (such as a Blu-Ray Disc player or PC) to the C-HDM-EXD-A HDMI IN.
2. Connect a HDMI/OPTICAL/LR source (such as a TV, Speaker, Amplifier) to the HDMI OUT.
9. Plug in 5V/.2 A DC power (supplied).
10. Power on HDMI Source.
11. Power on the HDMI/OPTICAL/LR out source.



4. SPECIFICATIONS

Item	Description
MODEL	C-HDM-EXD-A
UNIT DESCRIPTION	HDMI Audio Extractor
HDMI AUDIO SAMPLING RATE	Up to 192 kHz
OPTICAL AUDIO SAMPLING RATE	Up to 48 kHz
OUTPUT PORTS	1 × HDMI, 1 × Optical, 1 × L/R
HDMI AUDIO FORMAT	LPCM 2/5.1/7.1 CH, Dolby 5.1, DTS 5.1, DD+, D-TrueHD & DTS-HD
OPTICAL AUDIO FORMAT	LPCM 2CH, Dolby 5.1 & DTS 5.1
ESD PROTECTION	- Human body model — ±8kV (air-gap discharge) & ±6kV (contact discharge) - Core chipset — ±8kV
DIMENSIONS (L X W X H)	3.6"(L) × 3.4" (W) × 1.4" (H)
WEIGHT	0.2 lbs
CHASSIS MATERIAL	Plastic
POWER SUPPLY	5V / 1.2A
POWER CONSUMPTION	2.1 Watt

Environmental

OPERATING TEMPERATURE	32° ~ 104°F (0° to 40°C)
STORAGE TEMPERATURE	-4° ~ 140°F (-20° ~ 60°C)
RELATIVE HUMIDITY	20~120% RH (no condensation)



Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

LABOR: During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact support@avenview.com.

PARTS: During the Warranty Period of of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact support@avenview.com.

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

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