Specifications

Environment	HDMI 2.0a, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS-HD Master Audio or LPCM
Devices	Cable/Satellite Set-Top Box, DVD, Blu-Ray, TV, PC, laptops.
Video Bandwidth	18 Gbps
Frequency Range	25 to 600 MHz
Signals	HDMI 2.0a protocol, Dolby Digital, Doby Digital Plus, Dolby TrueHD, DTS, DTS-HD Master Audio or LPCM up to 7.1 channels.
HDCP	Revision 1.4 & 2.2 compliant.
Connectors	Two (2) HDMI connectors Two (2) RCA Connectors One (1) Mini-USB (for firmware updates) *Note: Audio cables not included.*
Distortion	<0.001% @ 1KHz
SNR	> 90 dB (20Hz – 20 KHz)
Sample Rate	32, 44.1, 48, 96 and 192 KHz
Power Supply	One (1) 110-240V/5VDC power supply
Power Consumption	3.20 Watt
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Metal with ABS fire retardant plastic panel
Dimensions	4.50" x 3.00" x 1.25" (114 x 76 x 32 mm)
Weight	1.0 lb (0.45 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500439 HDMI Audio Extractor with Dolby & DTS Downmixer

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HDMI Audio Extractor with Dolby & DTS Downmixer

500439

Quick Installation Guide

Overview

The HDMI Audio Extractor with Dolby & DTS Downmixer (500439) extracts digital audio from a video source up to HDMI 2.0 and downmixes Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS-HD Master Audio or LPCM up to 7.1 channels to 2CH analog audio via RCA L/R jacks. In addition, the unit allows the HDMI source up to 4K resolution at 60Hz (4:4:4) to be looped out and extended to a local display.

Applications

Applications include commercial and residential audio systems, boardroom systems, collaborative PC systems, and medical information systems.

Installation

1. Identify the connectors on the HDMI Audio Extractor with Dolby & DTS Downmixer as indicated on the product panels above.

2. To install the HDMI Audio Extractor with Dolby & DTS Downmixer:

   2a. Connect the extractor HDMI input to the source equipment with a HDMI Cable.

   2b. Connect the extractor HDMI output to the sink equipment (such as a Television) with a HDMI Cable.

   2c. Connect the extractor Stereo Audio Out to the audio equipment using RCA cables.

3. Connect the 5 VDC power supply to the Audio Extractor first, and then plug the power supply into an AC power outlet. If power is present, the green power LED of the Audio Extractor will be ON.

Note: Power-on the Audio Extractor only after all connections are made.

4. Power-on the audio source and receiver. Verify the state of the connection based on the LED status, see below.

    - When an HDMI signal is detected on the input, the HDMI In LED will be ON.

    - When an HDMI signal is detected on the output, the HDMI Out LED will be ON.

    - When a valid audio signal is processed, the Audio LED will be ON.

5. The following diagrams show the final configuration.

HDMI Source

500439

HDMI Display

Audio Equipment

Speakers

Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the HDMI Audio Extractor with Dolby & DTS Downmixer:

Symptom	LEDs				Probable Cause	Possible Solutions
	Power	HDMI In	HDMI Out	Audio		
No Video	OFF	OFF	OFF	OFF	No power	• Check power connections
No Video	ON	OFF	OFF	OFF	Source	• Check the source equipment.
No Video	ON	ON	OFF	OFF	Display	• Check the display equipment.
No Sound	ON	ON	ON	OFF	Connection problem, or audio source invalid or not supported.	• Check RCA cable connection. • Check the audio configuration of the source.
Choppy sound	ON	ON	ON	ON	Poor connection.	• Check RCA cable connection.

If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).