

## HD Audio Converter

Incorporates HDMI® technology

HDMI Input to HDMI, Optical, Coaxial, and 3.5mm Audio Outputs



Monoprice Product ID 10251

### INTRODUCTION

The Monoprice HD Audio Converter taps into the incoming HDMI® signal to produce Digital Optical, Digital Coaxial, and Analog 3.5mm TRS stereo audio outputs. The original, unaltered HDMI audio/video signal is sent to your display as normal, while the audio outputs can be connected to your home theater audio system for a superior audio experience. The converter supports all HDMI 3D video modes and high-definition, multichannel audio, including Dolby TrueHD™ and DTS-HD Master Audio™.

### FEATURES

- Converts HDMI audio to Digital Optical Toslink, Digital Coaxial, and 3.5mm stereo TRS outputs
- Supports all HDMI 3D video modes

Frame packing	Side-by-Side (Half)	Top-and-Bottom
1920x1080p@23.98/24Hz	1920x1080i@59.94/60Hz	1920x1080p@23.98/24Hz
1280x720p@59.94/60Hz	1920x1080i@50Hz	1280x720p@59.94/60Hz
1280x720p@50Hz		1280x720p@50Hz

- 225MHz pixel clock rate (per channel)
- 6.75Gbps total bandwidth/data throughput
- HDCP compliant
- Supports high-definition lossless compressed audio formats, including Dolby TrueHD and DTS-Master Audio
- Gold plated connectors for smooth, corrosion-free connections

## PACKAGE CONTENTS

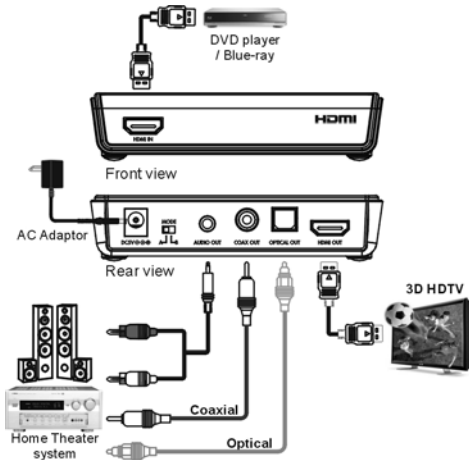
Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x HD audio converter
- 1x 3.5mm to RCA adapter cable
- 1x 5VDC, 1A AC adapter
- 1x User's manual

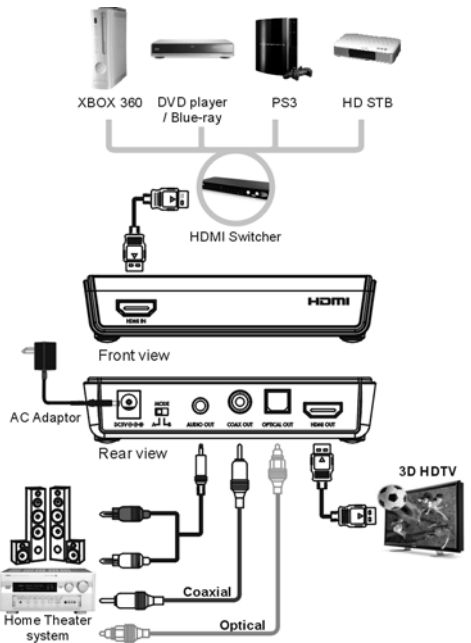
## SAMPLE CONNECTION DIAGRAMS

These sample connection diagrams illustrate typical installations using this converter.

### 1. Connect to an Amplifier



### 2. Connect to Amplifier (with a HDMI switcher)



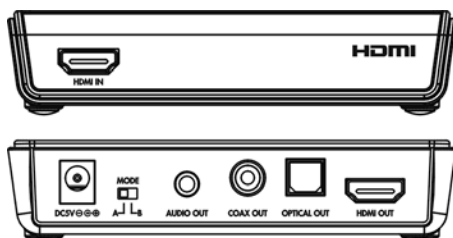
*Note: To watch 3D content, both the source device and the sink/display must support the same 3D video modes. Please check your owner's manuals for details about the capabilities of your devices.*

## INSTALLATION

1. Using a High Speed HDMI cable (not included) connect the HDMI output on your source device to the **HDMI IN** port on the front of the converter.
2. Using a High Speed HDMI cable (not included) connect the HDMI input on your display to the **HDMI OUT** port on the back of the converter.
3. (Optional) Using an Optical Toslink cable (not included) connect the optical input on your amplifier/receiver to the **OPTICAL OUT** port on the back of the converter.
4. (Optional) Using a Digital Coaxial cable (not included) connect the digital coaxial input on your amplifier/receiver to the **COAX OUT** port on the back of the converter.
5. (Optional) Plug the included 3.5mm to RCA adapter into the **AUDIO OUT** jack on the back of the converter. Using a stereo RCA cable (not included) connect the auxiliary input jacks on your amplifier/receiver to the RCA jacks on the 3.5mm to RCA adapter cable.
6. Set the **Mode** switch on the back of the converter to the A or B position. See the *Operating Modes* section below for details of the two modes of operation.
7. Plug the included AC adapter into the **DC 5V** port on the back of the converter, then plug the adapter into a nearby power outlet.
8. Your system should now be fully operational, with video on the display and audio on your home theater speaker system.

## OPERATING MODES

When HDMI sink (display) device is connected to a source, the source device checks the audio and video capabilities of the sink device to determine which audio and video modes can be safely used. The **MODE** switch on the back of the converter allows you to determine the audio capability information that is sent to the source device.



### Mode Select Switch

- A:** The capabilities of the connected sink/display device are sent to the source. In most cases, this limits the audio output to 2-channel PCM. This is the default setting.
- B:** The source device is told that all available audio modes are supported. This allows you to select advanced multichannel audio streams for playback on your home theater audio system.

### Notes:

1. When using a home theater audio system, it is recommended to mute or decrease the volume of the TV/display so that its audio output does not degrade the audio experience of your full home theater audio system.
2. When using Mode B, please ensure that your audio system supports the selected audio

*output mode. If you select a mode that is not supported you will either hear only noise out of the speakers or will hear nothing at all.*

## **NOTES**

- All specifications are subject to change without notice.
- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- This device incorporates HDMI technology.
- Dolby is a registered trademark of Dolby Laboratories.
- DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.
- PS3 is a trademark of Sony Computer Entertainment Inc.
- Xbox 360 is either registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.
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