

## Installation Guide

# HDMI Audio De-Embedder


## SY-HD-3.5AD

The HD-3.5AD HDMI De-embedder extracts the HDMI audio data and outputs an analogue stereo audio line level, suitable for connecting directly to a power amplifier, such as the SY-2A-20W or the SY-3A-40W. This can be useful when the audio requires more amplification than the display device can provide, or if the display device is has no audio capabilities, such as a projector.

### Features

- Extracts HDMI audio data to provide a stereo line level output
- HDMI 1.3 compatible
- Supports HDCP and CEC

### Connectors and Controls

#### Front



Name	Description
HDMI OUT	HDMI output to HDMI display
AUDIO OUT	3.5 mm stereo line level audio output

#### Rear



Name	Description
HDMI IN	HDMI input from HDMI source
Power Connector	5V DC power connector
Power LED	Unit powered

### Using the HDMI Audio De-Embedder

Connect a HDMI cable from the HDMI source device to the HDMI input of the SY-HD-3.5AD. Connect a second HDMI cable from the HDMI output of the SY-HD-3.5AD to the HDMI display device. The 3.5 mm stereo audio output connector connects to a separate power amplifier and speaker system.

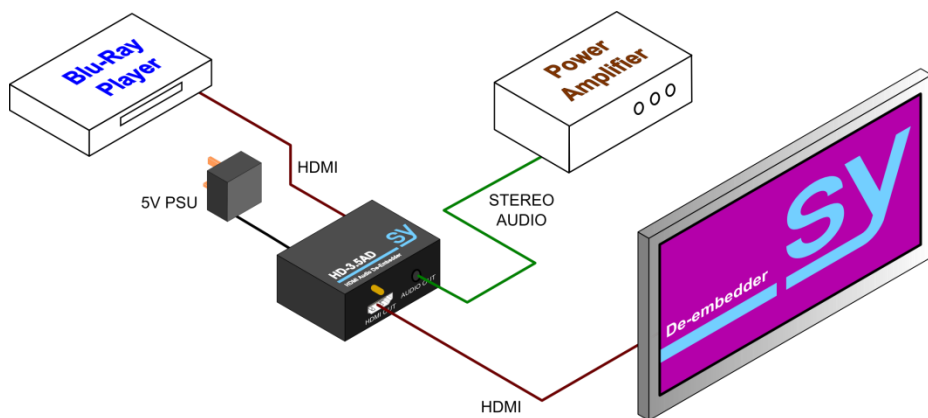


Figure 1 – SY-HD-3.5AD Audio De-embedder Connection Diagram

## Specifications

### General

HDMI Resolutions	480i, 480p, 720i, 720p, 1080i, 1080p, 1920 x 1200
HDMI Standard	HDMI 1.3
Audio Output	Stereo analogue - SNR: 80dB max
Power Supply	5V DC
Power Consumption	1.5 W max

### Environmental

Operating Temperature	0 - 40 °C      non condensing
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### Physical

Dimensions (W x H x D)	69 x 29 x 52 mm
Weight	110 g

## Safety Instructions

To ensure reliable operation of this product as well as protecting the safety of any person using or handling these devices while powered, please observe the following instructions.

1. Use the power supplies provided. If an alternate supply is required, check Voltage, polarity and that it has sufficient power to supply the device it is connected to.
2. Do not operate this product outside the specified temperature and humidity range given in the above specifications.
3. Ensure there is adequate ventilation to allow this product to operate efficiently.
4. Repair of this product should only be carried out by qualified professionals as this product contains sensitive devices that may be damaged by any mistreatment.
5. Ensure that the SY-HD-3.5AD is used in a dry environment. Do not allow any liquids or harmful chemicals to come into contact with this product.

## After Sales Service

1. Should you experience any problems while using this product, firstly check the product is connected up correctly as described in this manual before contacting SY Technical Support.
2. When calling SY Technical Support, the following information should be provided:
  - Product name and model number
  - Product serial number
  - Details of the fault and any conditions under which the fault occurs.
3. This product has a two year standard warranty, beginning from the date of purchase as stated on the sales invoice. Online registration of this product is required to activate the full three year extended warranty. For full details please refer to our Terms and Conditions.
4. SY Product warranty is automatically void under any of the following conditions:
  - The product is already outside of its warranty period
  - Damage to the product due to incorrect usage or storage
  - Damage caused by unauthorised repairs
  - Damage caused by mistreatment of the product
5. Please direct any questions or problems you may have to your local dealer before contacting SY Electronics.