

HDMI repeater with Audio Decoder

1 input : 1 output - **ID# 698**



Operation Manual

Introduction

HDMI repeater with Audio Decoder used to extend a HDMI signal for transmission over long distances. The audio decoder function allows you to take a HDMI input and output the audio via Optical (Toslink) or LPCM 7.1/5.1/2 channel through the multi-channel output ports. The unit also supports compressed digital bitstream (Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio) through the input and output ports.

The unit also performs signal amplification and equalization which overcomes any signal degradation or loss usually caused by transmitting a HDMI signal over a long distance, resulting in fantastic video quality. The HDMI cable Input/Output source can run up to 20/15 metres at 1080p/8 bits resolution, or 15/10 metres at 1080p/12 bits resolution without signal loss.

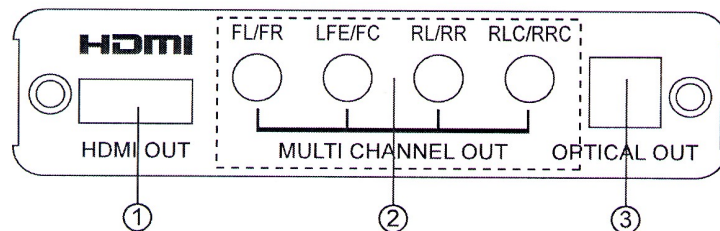
HDMI repeater with Audio Decoder supports high definition input up to 1080p@(24/60Hz), with the output resolution equalling the input resolution. It is compliant with HDMI 1.3, HDCP 1.1 and DVI 1.1 standards.

Features

1. Compliant with HDMI 1.3, HDCP 1.1 and DVI1.1 standards.
2. Supports digital video formats in Deep Color Mode from 25MHz to 225MHz for 36 bits (12 bits/color).
3. Supports high definition input up to 1080p@(24/60)Hz, output resolution follows input.
4. Supports HDMI signal amplification and equalization output for repeater function.
5. Supports uncompressed digital LPCM 7.1, 5.1 or 2 channels and compressed digital Bitstream (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) through HDMI input and output ports.
6. Supports digital Dolby 5.1/2 and LPCM 2 channels output through optical fiber.
7. Supports LPCM 7.1/5.1/2 channels output through multi-channel output ports.
8. Integrated HDCP encryption for transmitting protected audio and video content.
9. Support CEC bypass.
10. The HDMI cable distance test with 1080p/8bits resolution, the Input/Output source can run up to 20/15 meters and 1080p/12bits the Input/Output source can run up to 15/10 meters.

Operating Functions and Controls

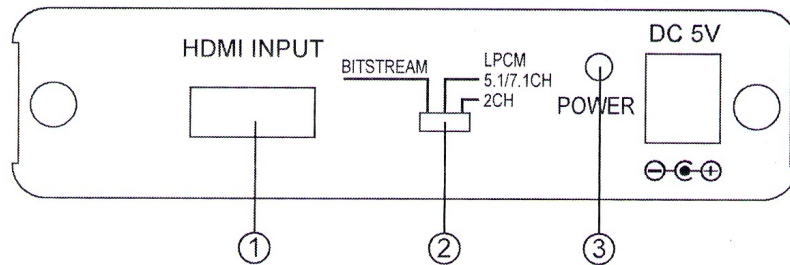
Front Panel



1. HDMI output: Connect the HDMI output port to the HDMI input port of your display.

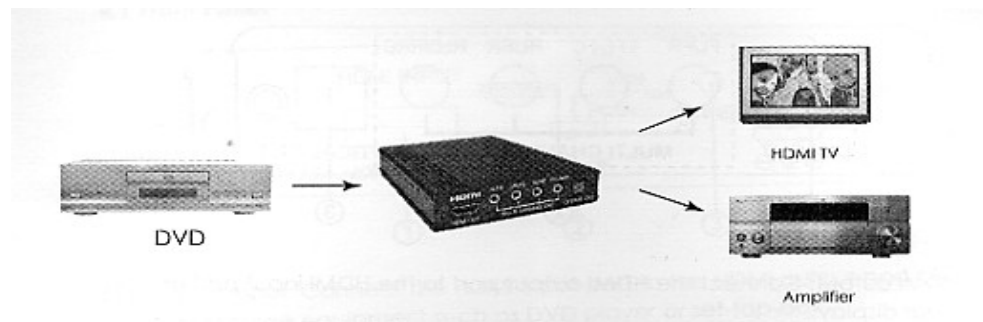
2. Multi channel output: Connect the audio channel output to the input of your amplifier equipment and follow the amplifier connections.
 FL: Front Left FR: Front Right
 LFE: Low Frequency Effect
 FC: Front Center
 RL: Rear Left RR: Rear Right
 RLC: Rear Left Center
 RRC: Rear Right Center
3. Optical output: Connect Optical output to the display audio input or audio equipments for Dolby5.1 /2 and LPCM2 channels.

Rear Panel



1. **HDMI input:** Connect the HDMI input port to the HDMI output port of your source equipment such as DVD player or set-top-box.
2. **Audio selection switch:** To switch between Bitstream/LPCM7.1 /5.1 /LPCM2 channels.
Note: When switch to other audio mode, the display will disappear for few seconds. This is normal phenomenon for the system.
3. **Power:** Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

Installation



Specifications

Input port	1 x HDMI
HDMI input audio format	LPCM 7.1, 5.1 or 2 channels and Bitstream (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio)
Output port	1 x HDMI
HDMI output audio format	LPCM 7.1, 5.1 or 2 channels and Bitstream (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio)
Multi channel output ports	4 x 3.5mm phone jack
Multi channel output audio format	LPCM 7.1/5.1/2 channels
Optical output port	1 x Optical
Optical output audio format	Dolby 5.1/2 and LPCM 2 channels
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	100(W) x 147(D) x 25(H)
Weight(g)	300
Chassis Material	Aluminum
Silk Skin Color	Black
Operating Temperature	Operating from 0°C - 40°C