HDMI2.0 Audio Extractor

User Manual

3D Ultra HD 4Kx2K@60Hz HDMI Audio Extractor

(SPDIF+Coaxial+3.5mm earphone)

Bring High-Definition to your life!

Thank you for purchasing our product. To ensure safety and many years' Trouble-free operation of the product, Please read the manual carefully before using this product.

1.0 DESCRIPTION

The device is one HDMI Audio Extractor with support of HDR,ARC,3D and 4KX2K,which can switch easily multiple HD Sources or one MHL smart sources to one HD Display. Also any of the input sources support the audio extract by the SPDIF and LR audio output channel. The supports ARC function that can do TV audio return back to the AV receiver.

2.0 FEATURES

1. Input: HDMI x 1(HDMI/MHL 1 port supports MHL).
2. Output: HDMI x 1, Toslink /SPDIF x 1, AUDIO x 1.
3. Compliant with HDMI2.0, HDCP2.2 and DVI 1.0;

4. Support video format up to 4k2k@30Hz with 24bit RGB/YcbCR 4:4:4/YCBCR4:4:4,and up to 4k2k@60Hz with 12bit YCBCR 4:4:4;
5. Supports 12-bit Deep Color per channel, maximum 36-bit all channels.
6. Supports 3.0Gbps TMDS/600MHz pixel clock rate per channel, maximum total TMDS throughput is 18Gbps.
7. Supports uncompressed audio such as LPCM.
8.Supports compressed audio such as DTS Digital, Dolby Digital, DTS-HD, and Dolby True HD.
9.Supports HDMI pass-through.
10.Supports up to 7.1CH digital surround on HDMI output.
11.Supports up to 5.1CH digital surround on Toslink output.
12.Supports up to 2.0 channel analog stereo on Stereo output.
13.Supports Standard Audio,DSD Audio, and HD(HBR) Audio.
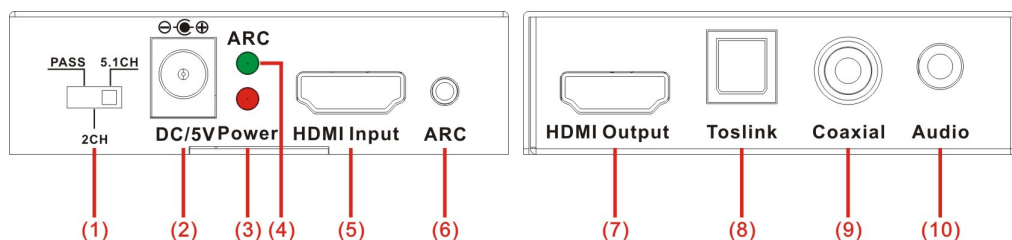14.Supports ARC(Audio Return Channel).

3.0 PACKAGING ACCESSORIES

1.HDMI/MHL Audio Extractor --------1 PCS
2.User manual---------------------------1 PCS
3.Power supply--------------------------1 PCS

4.0 APPLICATION

It switches several routes HDMI signals from source device such as DVD, Satellite Receiver, Set-top Box, DV Camera, A/V Receiver and other HDMI enabled device to high definition display device such as HDTV and HDMI Flat Panel Display.

5.0 PANEL DESCRIPTIONS
Product diagram:

(1)--Audio mode switch
(2)---Power Input Port
(3)---Power indicator
(4)------------------------------------ARC audio return indicator
(5)---HDMI Input Port
(6)--Audio return button
(7)---------------------------------------HDMI Output Port
(8)----------------------SPDIF Optical Digital Output Port
(9)------------------------------Coaxial Audio Output Port

(10)----------------------------------L/R Audio Output Port

6.0 HOW IT WORKS

1. Use a HDMI cable to connect a HD source to the HDMI Input Port.
2. Use a HDMI cable to connect a HD display to the HDMI Output Port.
3. For audio connection, choose one from the following options.
   a. To use HDMI pass-through, use the HDMI cable from step 2 to connect audio receiver to the HDMI Output Port. Your audio receiver will have to output video signal to your HD display.
   b. To use Toslink, use a Toslink cable to connect to audio equipment. (Note: Toslink does not support Dolby Digital Plus. Please change the input source's audio output to a different setting, if needed.)
   c. To use Coaxial, use a Coaxial cable to connect to Stereo audio equipment.
4. Connect the power adapter.
5. Note: If using Toslink cable, please make sure the rubber protective tip cover has already been removed from both ends before connecting them to devices.

7.0 TECHNICAL PARAMETER IN DETAIL

Video and Audio	
HDMI resolution	Ultra HD 3D 4Kx2K@50/60Hz (max)
Source Port Connector	36-bit Deep Color all channels maximum
Audio output	HDMI pass-through; Up to 7.1CH; SPDIF output up to 5.1 ch; 3.5mm stereo output audio .
Max bandwidth per channel	600MHz
Max baud rate per display	18Gbps
Input/Output TMDS signal	0.5~1.5V p-p(TTL)
Input/Output DDC signal	5V p-p(TTL)
Input cable distance	≤50ft/15m 24 AWG HDMI high speed Cable at1080P@24bit 60Hz
Output cable distance	≤50ft/15m 24 AWG HDMI high speed Cable at1080P@24bit 60Hz
Environmental	
Operating Temperature range	5°F to 131°F / -15°C to 55°C
Operating Humidity range	5% to 90% RH(No Condensation)
Mechanical	
Dimension(LxWxH)	60x70x20(mm)
Weight	130g
Power Requirement	

Power Consumption(max)	1.5 Watts
Operation Temperature	0☐ TO 70☐
Working Voltage	DC 5V
Power Adapter	5V 1A

8.0 Installation and Precautions

To avoid electric shock , product damage and to protect your safety , please notice the following:

1. Please slowly plug or unplug signal cables and do not often plug , unplug , or shake them.
2. The equipment should not be placed under the sun , rain and damp or unventilated environment.
3. Liquid items should not be placed on the equipment.
4. Do not install the equipment near heat sources such as fire , power , or other amplifiers that produce heat.
5. Do not insert the metal or other objects to the equipment in addition to connecting cables to ports.
6. Do not demolish the equipment by yourself ; it should be maintained by professional maintenance staff.