



Website: www.jtechdigital.com

TollFree: 1-888-610-2818

Email: support@jtechdigital.com

USER MANUAL

J-Tech Digital® 4K 60HZ HDMI Audio Extractor with ARC Function

Model: JTD18G-H5CH



Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

The HDMI 18Gbps Audio Extractor can extract audio signals from any HDMI compliant source to digital optical or analog stereo L/R audio outputs. Further, both input and output HDMI support video resolution up to 4K2K@50/60Hz (YUV444). It supports 10-bit HDR (High Dynamic Range) pass through and HDMI high resolution digital audio format pass through, LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, "DTS-HD Master audio and audio sampling rate up to 192 KHz." HDCP2.2, ARC, and ECE bypass are supported.

2. Features

- ✧ HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- ✧ Video resolutions up to 4K2K@50/60Hz (YUV444)
- ✧ Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
- ✧ Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
- ✧ Supports HDMI High Bit Rate(HBR) audio pass through
- ✧ Audio sample rates up to 192kHz
- ✧ 10-bit HDR (High Dynamic Range) pass through
- ✧ Supports ARC and CEC bypass

3. Package Contents

- ✦ 1 x HDMI 18Gbps Audio Extractor
- ✦ 1 x 5V/1A Power Adaptor
- ✦ 1 x User Manual

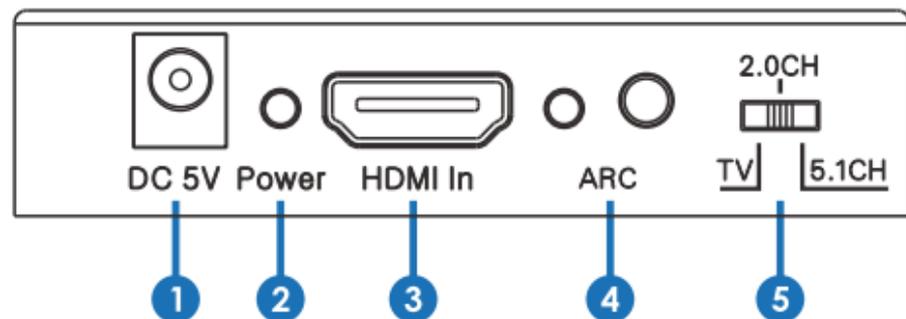
4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	2ch Stereo, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

Connections	
Inputs	1x HDMI Type A [19-pin female]
Outputs	1x HDMI Type A [19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack] 1x Optical Out [S/PDIF]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	73.5mm [W] x 60.7mm [D] x 17mm [H]
Weight	130g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1W(Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

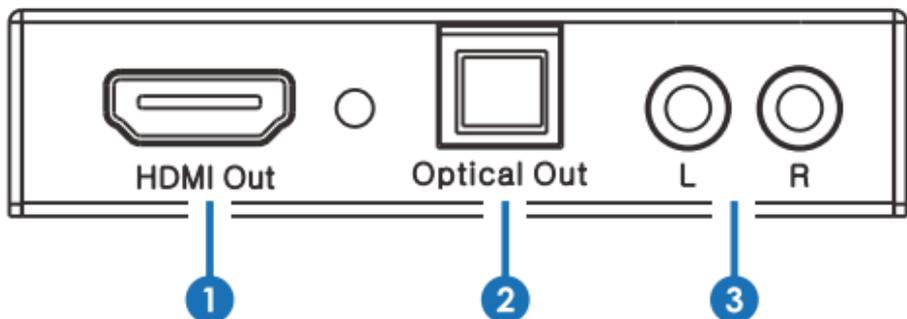
5. Operation Controls and Functions

5.1 Front Panel



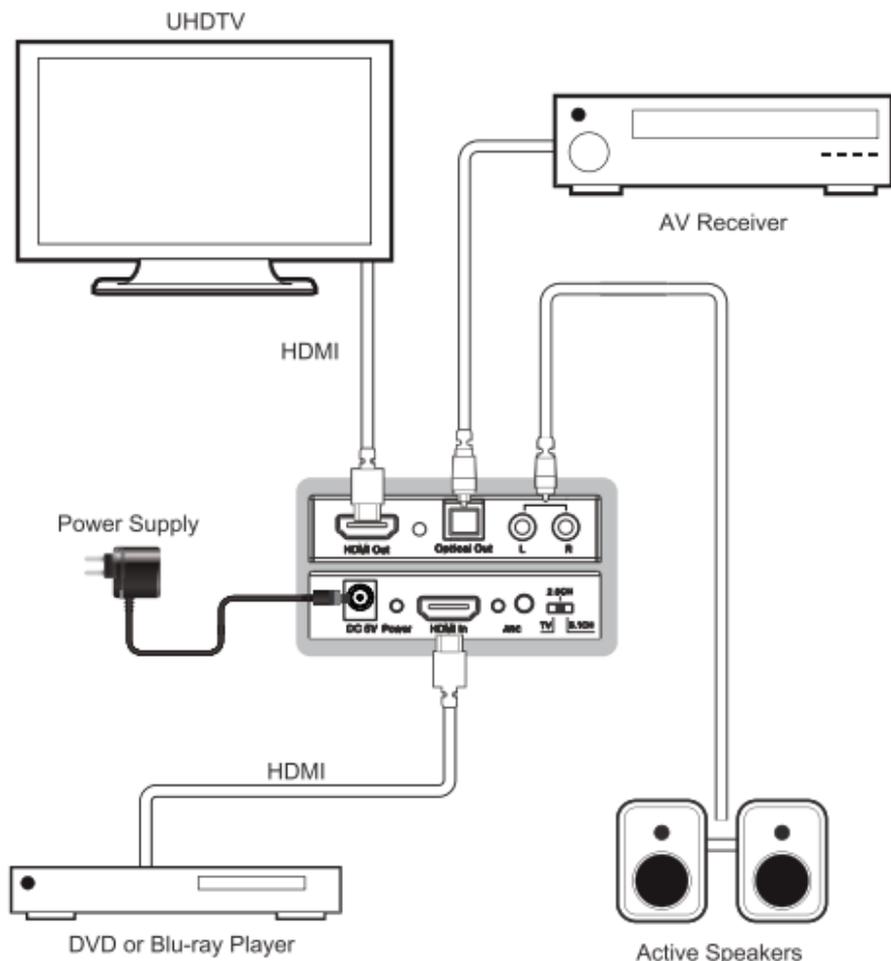
- 1 DC 5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.
- 2 Power LED:** System power indicator.
- 3 HDMI In:** Connect this to HDMI source devices such as Blu-ray or PS4 player
- 4 ARC:** ARC Function On/Off Key
- 5 TV / 2.0CH / 5.1CH:** This allows users to select audio format according to TV 2.0CH or 5.1CH.

5.2 Rear Panel



- ❶ **HDMI Out:** Connect to HDMI display devices such as TV/ Projector.
- ❷ **Optical Out:** Connect to audio amplifier optical audio input port.
- ❸ **L/R Out:** Connect to audio amplifier or TV L/R audio input port.

6.Connection Diagram





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www.jtechdigital.com

J-Tech Digital®
12803 Park One Drive
Sugar Land, TX 77478

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制作要求：

产品型号	KDCN0028M1 客订 说明书
材质	80克书写纸
料号	A.5.MANUAL968
尺寸	70*80mm
颜色	黑色
备注	正反面印刷
制作人和日期	艾森 2021.03.20