Thank you for purchasing the JTD18G-H5CH. 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 can be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of a surge protection system is highly recommended in order to protect and extend the life of your equipment.

1. **Introduction**

The JTD18G-H5CH Audio Extractor extracts audio signals from any HDMI compliant source to digital optical or analog stereo outputs. Both the HDMI input and output support video resolutions up to 4K2K@50/60Hz (YUV444). This device also supports 10-bit HDR (High Dynamic Range) pass through and HD digital audio formats, such as LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rates up to 192 kHz. HDCP 2.2 and CEC bypass are additional features included in the JTD18G-H5CH.

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1. **Features**
2. HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
3. Video resolutions up to 4K2K@50/60Hz (YUV444)
4. Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
5. Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
6. Supports HDMI High Bit Rate (HBR) audio pass through
7. Audio sample rates up to 192kHz
8. 10-bit HDR (High Dynamic Range) pass through
9. Supports CEC bypass
10. **Package**

HDMI 18Gbps Audio Extractor ---------------------------------------------------------------------------------------1PC

5V/1A Power Adapter---------------------------------------------------------------------------------------------------1PC

User Manual---------------------------------------------------------------------------------------------------------------1PC

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1. **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(YUV444), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz |
| Color Space | RBG, YCbCr 4:4:4, YCbCr 4:2:2 |
| Color Depth | 10-bit, 12-bit |
| HDMI Audio Formats (Pass-through) | LPCM 2/5.1/7.1CH, 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 | x1 HDMI Type A [19-pin female] |
| Outputs | x1 HDMI Type A [19-pin female]  x1 L/R Audio Out [3.5mm Stereo Mini-jack]  x1 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) |

1. **Operation Controls and Functions**

**Front panel**

1. **DC 5V:** Connect 5V/1A adapter to AC wall outlet for power supply.
2. **Power LED:** System power indicator.
3. **TV / Bit Stream / 2CH:** This allows users to select audio format according to TV, Bit Stream or LPCM 2CH.
4. **HDMI In:** Connect this to HDMI source devices such as Blu-ray or PS4 player.
5. **Link LED:** The LED will illuminate when detected HDMI input signal.

**Rear panel**

1. **HDMI Out:** Connect to HDMI display devices such as TV/Projector.
2. **L/R Out:** Connect to audio amplifier or TV L/R audio input port.
3. **Optical Out:** Connect to audio amplifier optical audio input port.

[**www.jtechdigital.com**](http://www.jtechdigital.com)

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