



HDMI® 18Gbps AUDIO EXTRACTOR with HDCP 2.2

SKU: 31001068

User's Manual

Thank you for purchasing HDMI® Audio Extractor. For optimum performance and safety, please read these instructions carefully before connecting and operating this product. Please keep this manual for future reference.

INTRODUCTION

The HDMI 18Gbps Audio Extractor could extract audio signals from any HDMI compliant source to digital optical or analog stereo L/R audio outputs, both input and output HDMI support video resolution up to 4K2K@50/60Hz. It supports 10bits HDR (High Dynamic Range) pass through and HDMI high resolution digital audio formats bypass, LPCM 2CH, Dolby TrueHD™, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio™, audio sampling rate up to 192 kHz. HDCP 2.2 CEC bypass are supported.

FEATURES

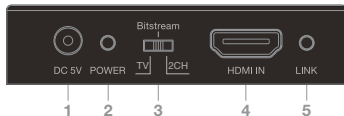
1. HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
2. Video resolutions up to 4K2K@50/60Hz (YUV444)
3. Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
4. Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
5. Supports HDMI High Bit Rate (HBR) audio pass through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

PACKAGE CONTENTS

1x HDMI 18Gbps Audio Extractor
1x 5V/1A Power Adapter
User's Manual

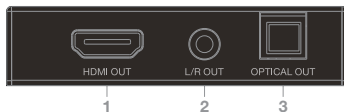
PRODUCT OVERVIEW

FRONT PANEL



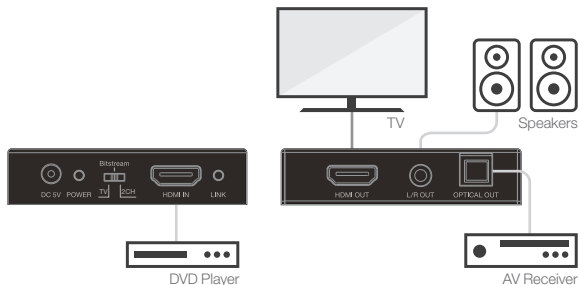
1. DC 5V - Plug in included power adapter
2. Power - Illuminates when the device is connected with power supply
3. TV / Bit Stream / 2CH - Select audio formats
4. HDMI Input - Connect HDMI devices
5. Link - Illuminates when HDMI input signal is detected

REAR PANEL



1. HDMI Output - Connect HDTV or monitor
2. L/R Output - Connect audio amplifier or TV
3. Optical Output - Connect optical audio input port

CONNECTION DIAGRAM



SPECIFICATIONS

HDMI Compliance	: HDMI 2.0b
HDCP Compliance	: HDCP 2.2 & HDCP 1.4
Video Bandwidth	: 18Gbps
Video Resolution	: up to 4K2K@50/60Hz, 4K2K@30Hz, 1080P@120Hz, 1080P 3D@60Hz
Color Space	: RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	: 10-bit, 12-bit
HDMI Audio Format	: LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1™, Dolby Digital+, Dolby TrueHD™, DTS-HD Master Audio™, Dolby Atmos, DTS:X
L/R Audio Format	: Analog Stereo 2CH
ESD Protection	: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Input	: 1x HDMI Type A
Outputs	: HDMI Type A, L/R Audio Out, and Optical Out
Dimension	: 2.9" x 2.4" x 0.7" (74 x 61 x 17mm)
Weight	: 130g
Power Supply	: Input- AC100 - 240V 50/60Hz, Output- DC 5V1A
Power Consumption	: 1W (Max)
Operation Temperature	: 32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	: -4°F ~ 140°F (-20°C ~ 60°C)
Relative Humidity	: 20 ~ 90% RH

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Omnigates' authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio Notice for FCC

Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Omnigates, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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