INSTRUCTION MANUAL

ANI-7.1CH4K

HDMI 18Gbps Audio Extractor w/ HDCP 2.2



A-NeuVideo.com
Frisco, Texas 75036

A-NEUVIDEO®

SAFETY INFORMATION

1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the “ON” position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically “blown free” of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualified service personnel when:
    A. The power supply cord or the plug has been damaged.
    B. Objects have fallen, or liquid has been spilled into the equipment.
    C. The equipment has been exposed to rain.
    D. The equipment does not appear to operate normally, or exhibits a marked change in performance.
    E. The equipment has been dropped, or the enclosure damaged.

THIS SAFETY INFORMATION IS OF A GENERAL NATURE AND MAY BE SUPERSEDED BY INSTRUCTIONS CONTAINED WITHIN THIS MANUAL.

SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

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TABLE OF CONTENTS

INTRODUCTION & CONTENTS.....2
FEATURES.....3
SPECIFICATIONS.....4
OPERATION CONTROLS & FUNCTIONS.....5
CONNECTION & OPERATION.....7

INTRODUCTION

This HDMI 18Gbps Audio Extractor could 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 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 192kHz. HDCP 2.2 and CEC bypass are supported. This product has a 3 year warranty.

PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- ANI-7.1CH4K HDMI 18Gbps Audio Extractor
- 5V/1A Power Adaptor
- Users Guide

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, Dobly Digital 2/5.1CH, DTS 2/5.1CH
- Supports HDMI High Bit Rate (HBR) audio pass through
- Audio sample rates up to 192kHz
- 10bits HDR (High Dynamic Range) pass through
- Supports CEC bypass

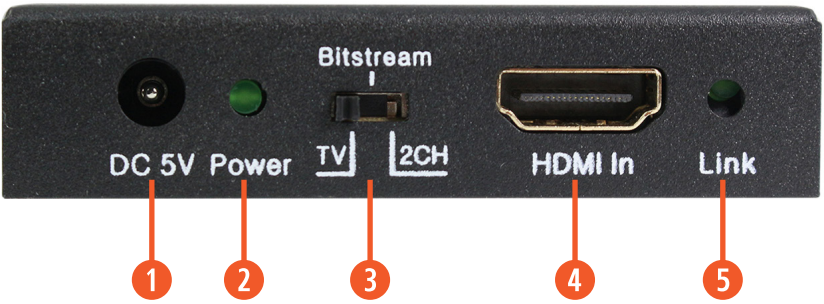
SPECIFICATIONS

- **HDMI Compliance:** HDMI 2.0b
- **HDCP Compliance:** HDCP 2.2 and HDCP 1.4
- **Video Bandwidth:** 18 Gbps
- **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) 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)
- **Inputs:** HDMI Type A [19-pin female]
- **Outputs:**
  - HDMI Type A [19-pin female]
  - L/R Audio Out [3.5mm Stereo Mini-jack]
  - Optical Out [S/PDIF]
- **Housing:** Metal Enclosure
- **Color:** Black
- **Dimensions (WxDxH):** 2.9 x 2.4 x .7 in (73.5x60.7x17mm)
- **Weight:** 4.6 oz / 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°F - 104°F / 0 - 40°C
- **Storage temperature:** -4°F - 140°F / -20°C - 60°C
- **Relative Humidity:** 20% - 90% RH (no condensation)

As product improvements are continuous, specifications are subject to change without notice.

OPERATION CONTROLS AND FUNCTIONS

FRONT PANEL



❶ **DC 5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.

❷ **POWER LED:** System power indicator.

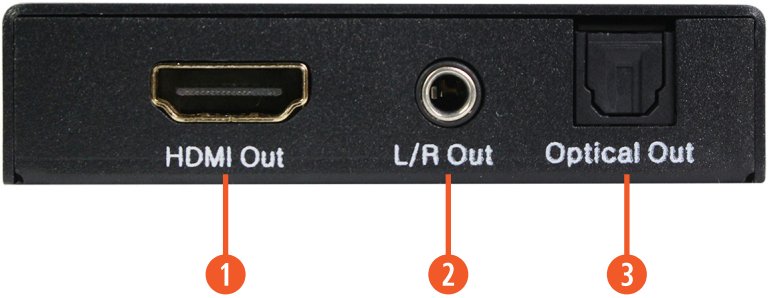
❸ **TV / BIT STREAM / 2CH:** This allows users to select audio format according to TV, Bit Stream or LPCM 2CH.

❹ **HDMI IN:** Connect this to HDMI source devices such as Blu-Ray or PS4 player

❺ **LINK LED:** The LED will illuminate when detected HDMI input signal.

OPERATION CONTROLS AND FUNCTIONS

BACK PANEL

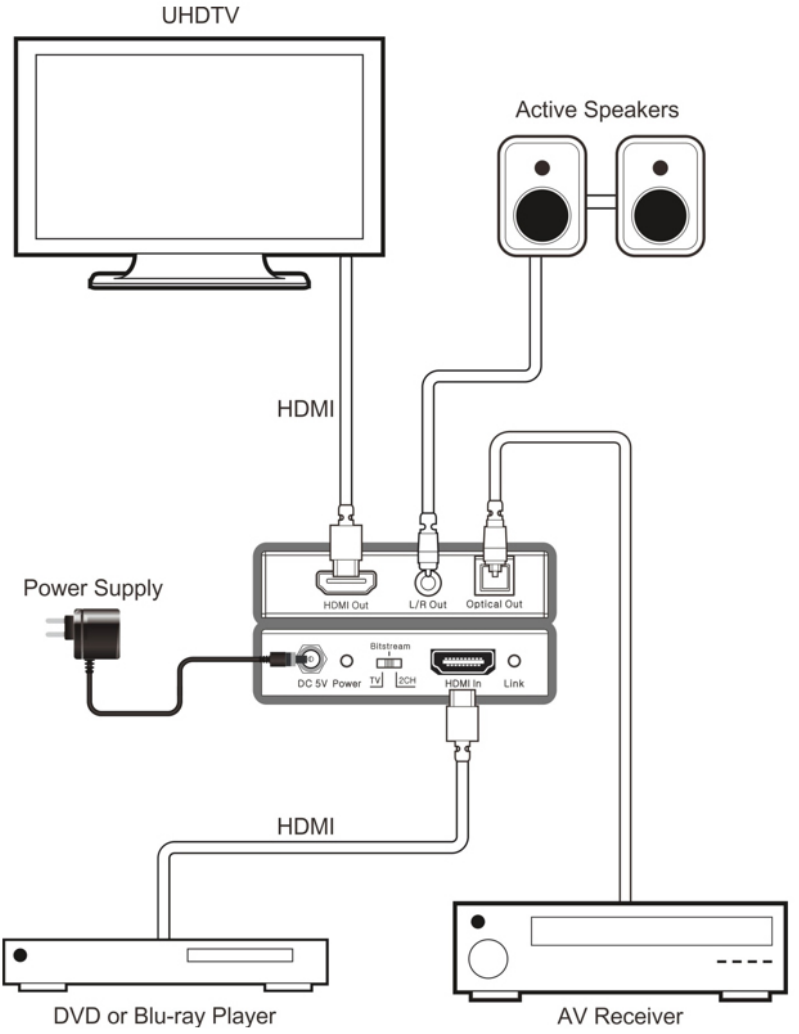


❶ **HDMI OUT:** Connect to HDMI display devices such as TV/Projector.

❷ **L/R OUT:** Connect to audio amplifier or TV L/R audio input port.

❸ **OPTICAL OUT:** Connect to audio amplifier optical audio input port.

CONNECTION AND OPERATION



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