

**SESCOM**<sup>®</sup>

DESIGNED BY AUDIO ENGINEERS FOR AUDIO ENGINEERS

# SES-AX1001 User Manual

## 4K HDMI Audio Embedder & Extractor



## Operating Instruction

### FEATURES:

- Supports audio embedding and extracting
- SPDIF 5.1 and Analog Audio PCM 2.0 Outputs
- 2 DIP Switches for audio embedding or extraction configuration
- Audio Uncompressed PCM, Dolby, DTS Supported
- Supports Resolutions up to 4K2K 60Hz
- Bandwidth: up to 18Gbps
- Compliance: HDCP 2.2 / 1.4
- CEC Supported

### SPECIFICATIONS:

Operating Temperature	-5 to 40°C (23 to 104°F)
Range Operating Humidity	5 to 90%RH (No Condensation)
Range Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p(TTL)
Supported Video Format	4Kx2K/1080P/1080i/720P/576P/576i/480P/480i 3D video
Support Video Color Format	xv-YCC/deep color 36bit
Support Audio Format	PCM, DTS-HD Master Audio, Dolby true-HD etc.
Data transfer speed rate	18Gbps (Maximum)
Compliance	HDCP2.2/1.4
Power consumption	1.5W (Maximum)
Dimension (LxWxH)	104.4 x 89 x 2 8.3mm (3.7 x 4.3 x 1.3in)
Net Weight	155g / 5.4oz

### ITEM INCLUDES:

5V DC Power Supply



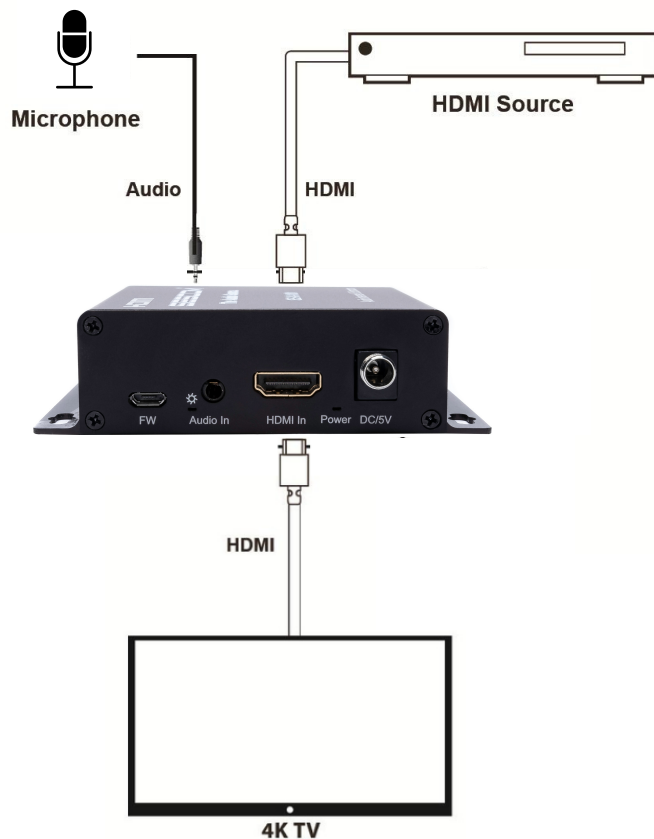
## Operating Instruction

### Connecting and Operating:

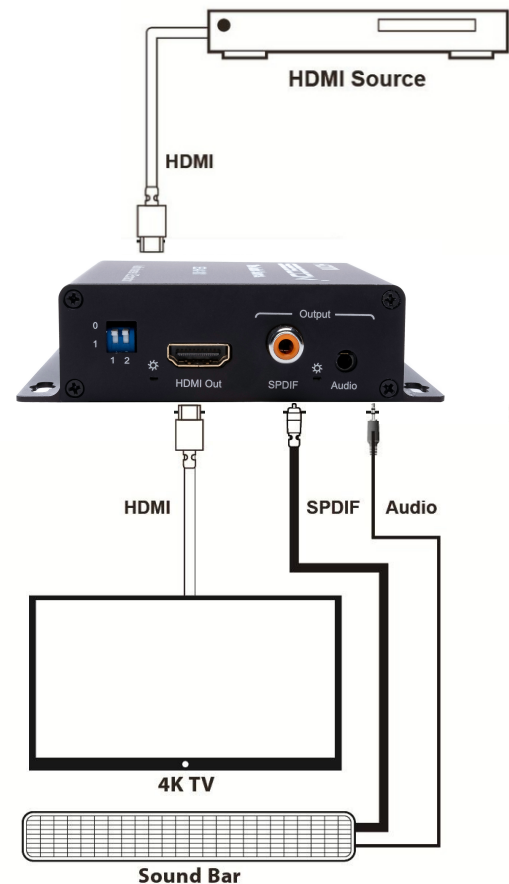
- 1) Connect your desired HDMI signal source into the HDMI input of the unit.
- 2) Connect the HDMI display device (such as: HDTV or Projector) into HDMI output of the unit.
- 3) Connect Optical audio cable or RCA audio cable to Amplifier.
- 4) Connect DC 5V power to the the unit.

### Application Diagram:

#### Embedder Diagram:



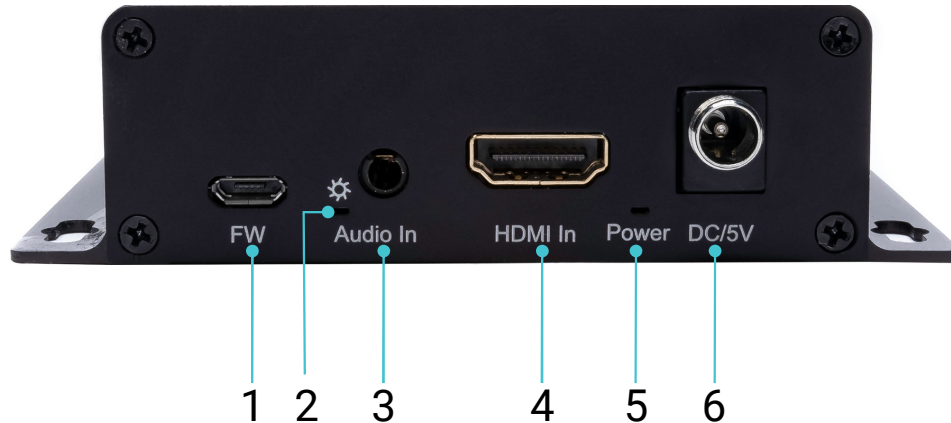
#### Extractor Diagram:



## Operating Instruction

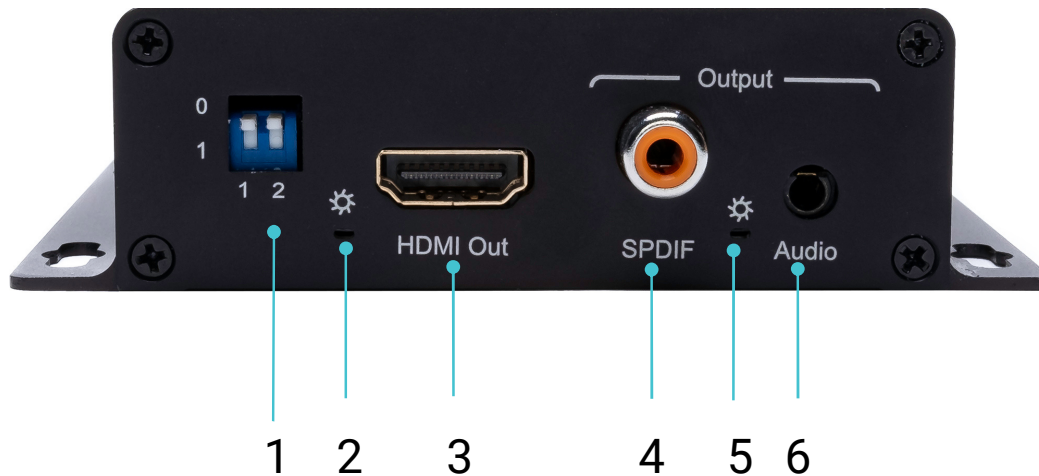
### PANEL DESCRIPTIONS

#### Front Panel



- |                        |                      |
|------------------------|----------------------|
| ① For factory use only | ② Audio Indicator    |
| ③ Audio Input          | ④ HDMI input         |
| ⑤ Power Indicator      | ⑥ Power Supply Input |

#### Back Panel



#### Audio Configuration:

- 00: Audio Embedded
- 01: PCM2.0 Audio Extraction
- 10: 5.1 Audio Extraction
- 11: Bypass

- |                          |                         |
|--------------------------|-------------------------|
| ① Audio DIP Switch       | ② HDMI Output Indicator |
| ③ HDMI Output            | ④ SPDIF Audio Output    |
| ⑤ Audio Output Indicator | ⑥ Audio Output          |



# Operating Instruction

---

## MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

## PRODUCT SERVICE

- 1) Damage requiring service: The unit should be serviced by qualified service personnel if:
  - (a) The DC power supply cord or AC adaptor has been damaged;
  - (b) Objects or liquids have gotten into the unit;
  - (c) The unit has been exposed to rain;
  - (d) The unit does not operate normally or exhibits a marked change in performance;
  - (e) The unit has been dropped or the cabinet damaged.
- 2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3) Replacement parts: When parts need replacing ensure the service uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4) Safety check: After repairs or service, ask the service to perform safety checks to confirm that the unit is in proper working condition.

## WARRANTY

1 Year