

# SESCOM<sup>®</sup>

DESIGNED BY AUDIO ENGINEERS FOR AUDIO ENGINEERS

## Sescom SES-A-V-SYNC

Unbalanced RCA A/V Lip-Sync  
Corrector



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## **SAFETY PERCAUTIONS:**

Please read all instructions before installing or operating this equipment and connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

1. To prevent fire or shock hazards, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be kept between -4°F and 140°F (-20°C and 60°C). Avoid direct sunlight exposure or extreme temperature changes over a short period of time.
3. Do not disassemble or place the unit on an unstable base.
4. Do not drop the unit and avoid heavy impacts.
5. This unit should not be permanently installed unless proper ventilation is provided. Any enclosure openings must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, turn off the power and unplug the unit from all connections. Use a damp cloth. Do not use liquid cleaners or aerosol cleaners.
7. Do not overload outlets and extension cords, as this may result in a risk of fire or electric shock.
8. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself; opening or removing covers may expose you to dangerous voltage and other hazards.
10. The unit does not contain user-serviceable parts. Contact your authorized dealer or an authorized repair service company if it requires service.

## INTRODUCTION:

The SES-A-V-SYNC analog stereo lip sync corrector is a compact device that can correct audio delays between audio and video. When distributing video over long distances through multiple devices like distribution amplifiers and set-top boxes there can sometimes be a noticeable delay which results in audio being played before the video. This device allows you to manually adjust the audio delay from 0 ~300 ms allowing you to perfectly synchronize your audio and video, eliminating any mismatch.

**Sescom Tech Note:** Not compatible with TRRS or Phantom power

## FEATURES:

- High Resolution Audio Sample Rate Of 48 kHz
- Zero Delay signal bypass Option
- Low power consumption
- Up to 24-bit resolution

## IN THE BOX:

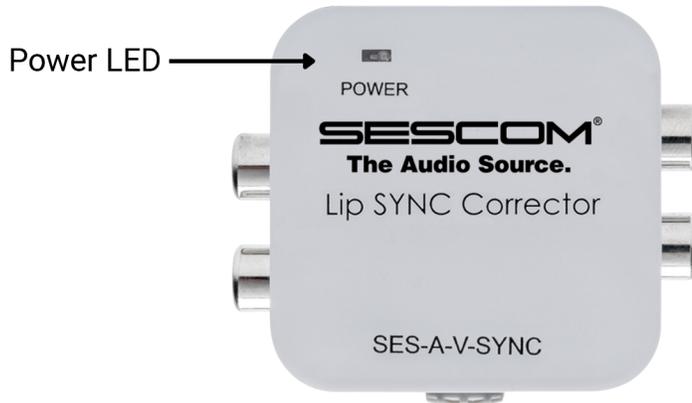
- 1x SES-A-V-SYNC
- 1x 5V/1A Power Adapter

## SPECIFICATIONS:

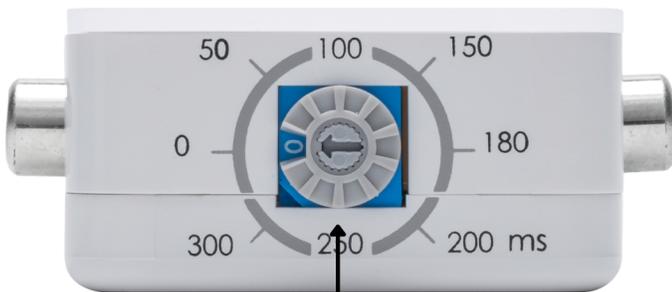
- **Dimensions:** 2.19 in (W) × 1.87 in (D) × 0.14 in (H)
- **Weight:** 32g
- **Input:** 1x L/R RCA Ports
- **Output:** 1x L/R RCA Ports
- **Input Impedance:** 14K Ohms
- **Output Impedance:** 500 Ohms
- **Maximum Input Level:** 6dBV
- **Maximum Output Level:** 6dBV
- **Dynamic Range:** 83dB
- **Gain:** -0.389dB
- **Latency (Digital only):** 838.5us - 300.8ms
- **Total Harmonic Distortion at 1kHz, 0dBFS:** 0.03876%
- **Frequency Response Deviation (20Hz - 20kHz):** 0.132
- **Signal to Noise Ratio at 0dBFS, A-Weighted:** 76.8
- **Crosstalk (2-Channel Devices only):** -84.843 dB
- **Power Supply:** 5V/1A DC
- **ESD Protection:**
  - **Human body model:**
    - ± 8kV (air-gap discharge)
    - ± 6kV (contact discharge)
- **Temperature:**
  - Operating: 32°F to 104°F (0°C to +40°C)
  - Storage: -4°F to 140°F (-20°C to +60°C)
- **Power Consumption:** 0.5W
- **Relative Humidity:** 20 to 90% RH (non-condensing)

## PANEL DESCRIPTION:

Top:



Front:



Lip SYNC Switch

Back:



DC 5V Input

Left:



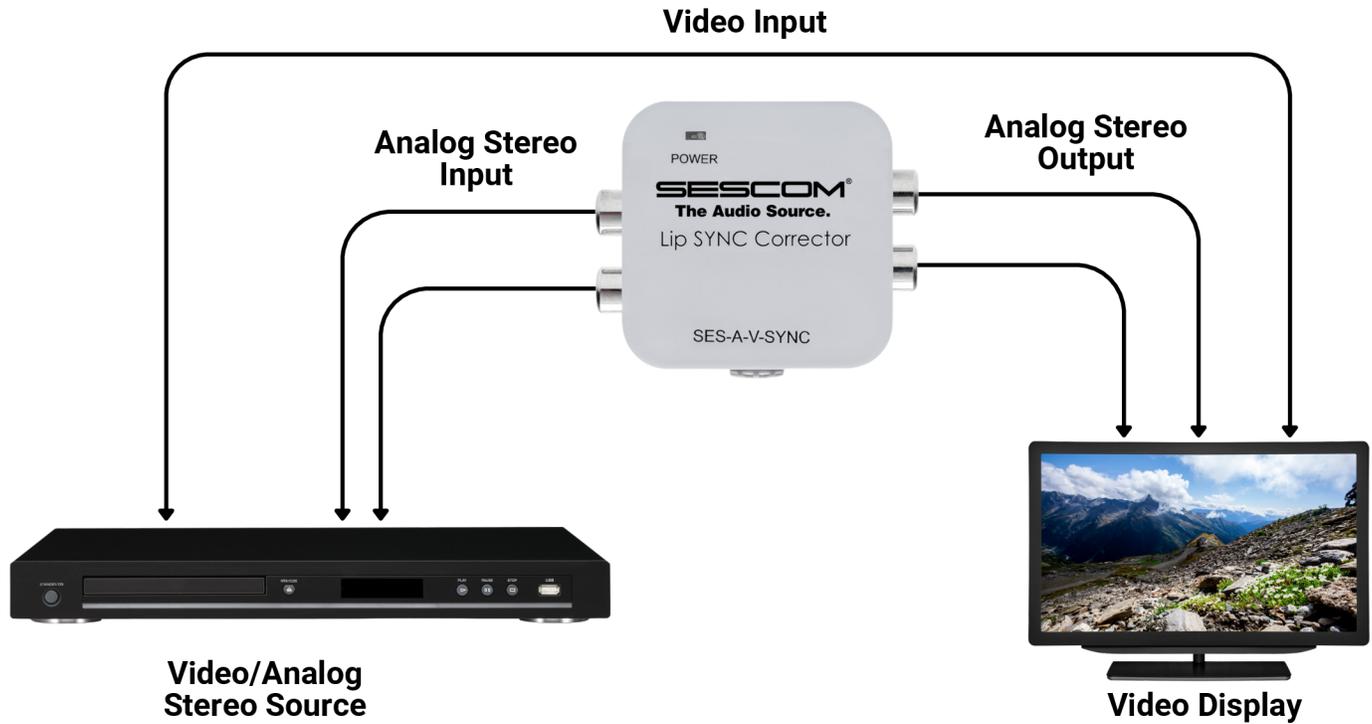
Left Input RCA  
Right Input RCA

Right:



Left Input RCA  
Right Input RCA

## CONNECTION DIAGRAM:



## INSTALLATION AND CONNECTION:

### CONNECTION INSTRUCTIONS:

1. Connect to the source equipment with stereo RCA cables to receive the audio signal.
2. Connect to the amplifier, such as active speakers or a TV, with stereo RCA cables to output the delayed audio signal.
3. Plug in the power supply.

### LED INDICATORS:

LED Color	Status
Blue	Power On

## SUPPORT & WARRANTY:

Sescom warrants cable assemblies to be free from manufacturer defects and are built to a +/- 2% tolerance of the overall length. Sescom tests and certifies all cable assemblies for insertion loss, return loss, and interferometric data prior to shipment on all fibers in both directions. Sescom cables have a limited lifetime warranty to be free from manufacturer defects. All other Sescom products are warranted for one (1) year from date of purchase, with parts and labor included.

This warranty is limited to defects in workmanship or materials and does not cover customer damage, abuse, or unauthorized modification. If this product fails or does not perform as warranted, your recourse shall be repaired or replaced. Under no condition shall Sescom be liable for any damage incurred by the use of this product. This damage includes but are not limited to the following: lost profits, lost savings, or incidental or consequential damages arising from the use of or inability to use this product.

Sescom specifically disclaims all other warranties, expressed or implied, and the installation or use of this product shall be deemed as an acceptance of these terms by the user.

To determine warranty product failures, all warranty repairs must be returned freight prepaid and insured.