

SESCOM[®]

SES-A-V-SYNC

Analog Stereo Lip Sync Corrector

Operation Manual





SAFETY PRECAUTIONS



1. To prevent fire or shock hazard, do not expose this equipment to an environment of high humidity and/or dust. Do not use in an unprotected outdoor installation or any area classified as overly damp or wet.
2. The temperature for installation should be kept between 0°C ~ 60°C. Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
3. Do not disassemble the unit or put it on an unstable base
4. Do not drop it and avoid heavy impact.
5. Ventilation: Any openings in the enclosure are provided for ventilation and to ensure reliable operation of the unit and to protect it from overheating. These openings, if any, must not be blocked or covered. This unit should not be placed in a built-in installation unless proper ventilation is provided.
6. Cleaning: Unplug the unit from the mains outlet before cleaning. Do not use liquid cleaners or aerosol cleaners, only use a damp cloth.
7. Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
8. Enclosure Entry of any kind is dangerous. 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. Service: Do not attempt to open or service this unit yourself as opening or removing covers may expose you to dangerous voltage of other hazards.
10. There are no user-serviceable parts inside the unit. If the unit requires service please contact your authorized dealer, or an authorized repair service company.

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1. INTRODUCTION

The 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.

2. APPLICATIONS

- Home Theater
- Cable TV
- Set-top Box
- Multi-zone AV Receivers
- Audio Matrixing

3. PACKAGE CONTENTS

- 1xAnalog Stereo Lip Sync Corrector
- 1x5 V/1 A Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

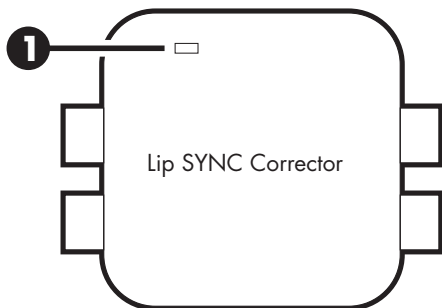
- Analog stereo audio source.

5. FEATURES

- Analog to analog signal bypass
- Low power consumption

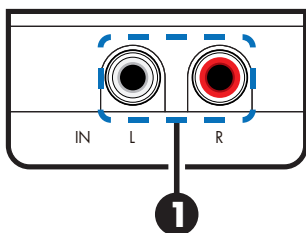
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Top Panel



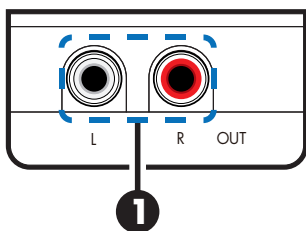
- 1 POWER LED:** The LED will illuminate in blue when the power is connected.

6.2 Left Panel



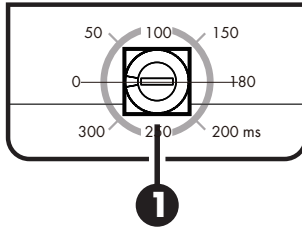
- 1 L/R IN:** Connect to the source equipment such as a DVD/Blu-Ray player with stereo RCA cables to receive the audio signal.

6.3 Right Panel



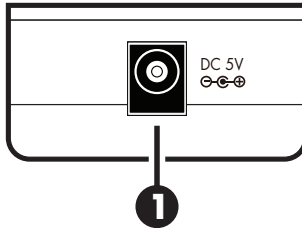
- 1 L/R OUT:** Connect to the amplifier such as active speakers or TV with stereo RCA cables to output the received audio signal.

6.4 Front Panel



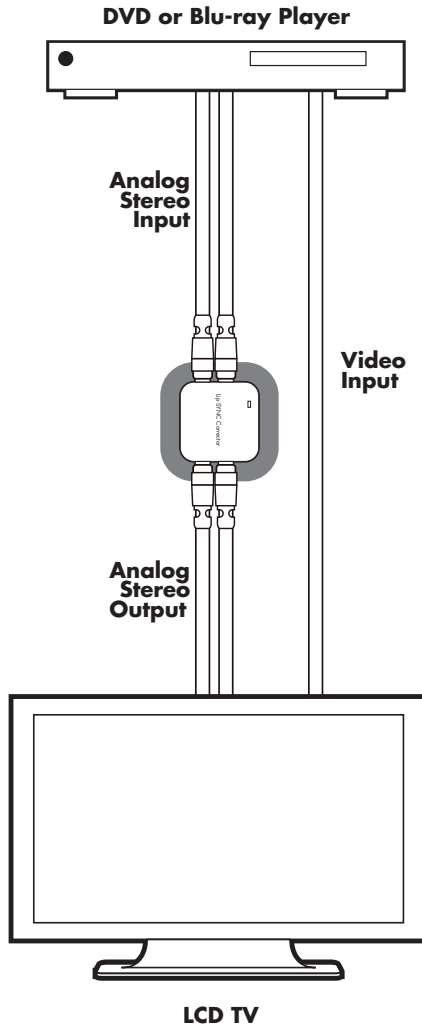
- 1 **Lip SYNC Switch:** This switch has eight settings that allow users to set the audio output delay from 0~300 milliseconds in order to perfectly synchronize audio and video signals.

6.5 Rear Panel



- 1 **DC 5V:** Connect the 5V DC power supply to the unit and plug the adaptor to an AC outlet.

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

Input Port	1xL/R (with RCA connectors)
Output Port	1xL/R (with RCA connectors)
Input Impedance	44K Ω
Output Impedance	1K Ω
Input Level	2Vrms
Output Level	2.0Vrms \pm 0.2
THD+N	<0.01%
Frequency Response	\pm 0.5 dB 20Hz~20KHz
SNR	>80dB
Crosstalk	<-70dB
Power Supply	5 V/1 A DC (US/EU standards, CE/FCC/ UL certified)
ESD Protection	Human body model: \pm 8kV (air-gap discharge) \pm 6kV (contact discharge)
Dimensions	55.6 mm (W) \times 47.5 mm (D) \times 3.5 mm (H)
Weight	32 g
Chassis Material	Plastic
Silkscreen Color	White Letters on Black
Operating Temperature	0 $^{\circ}$ C~40 $^{\circ}$ C / 32 $^{\circ}$ F~104 $^{\circ}$ F
Storage Temperature	-20 $^{\circ}$ C~60 $^{\circ}$ C/-4 $^{\circ}$ F~140 $^{\circ}$ F
Power Consumption	0.5 W
Relative Humidity	20 ~ 90% RH (non-condensing)

9. ACRONYMS

ACRONYM	COMPLETE TERM
Ω	Ohm
THD+N	Total Harmonic Distortion plus Noise
SNR	Signal-to-Noise Ratio
RCA	Audio Connector (Radio Corporation of America)