

DCT-18Analog Stereo Lip Sync Corrector



Operation Manual



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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.

REVISION HISTORY

| VERSION NO. | DATE DD/MM/YY | SUMMARY OF CHANGE |
|-------------|---------------|-------------------|
| VS1 | 03/04/13 | First Release |
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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

- 1×Analog Stereo Lip Sync Corrector
- 1×5 V/1 A Power Adaptor
- · Operation Manual

4. SYSTEM REQUIREMENTS

• Analog stereo audio source.

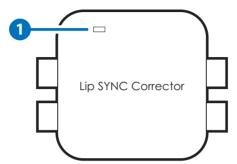
5. FEATURES

- Analog to analog signal bypass
- Low power consumption



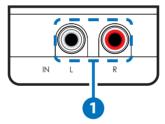
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Top Panel



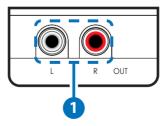
POWER LED: The LED will illuminate in blue when the power is connected.

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.

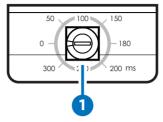
6.3 Right Panel



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

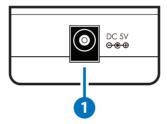


6.4 Front Panel



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.

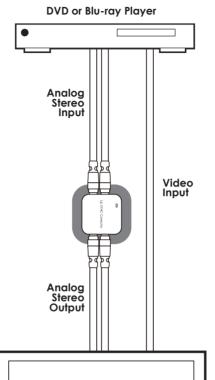
6.5 Rear Panel



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



7. CONNECTION DIAGRAM



LCD TV



8. SPECIFICATIONS

Input Port

1×L/R (with RCA connectors)

Output Port

1×L/R (with RCA connectors)

 $\begin{array}{lll} \text{Input Impedance} & 44\text{K }\Omega \\ \text{Output Impedance} & 1\text{K }\Omega \\ \text{Input Level} & 2\text{Vrms} \end{array}$

Output Level 2.0Vrms±0.2

THD+N <0.01%

Frequency Response ±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:

± 8kV (air-gap discharge)± 6kV (contact discharge)

Dimensions 55.6 mm (W)×47.5 mm (D)× 23.5 mm (H)

Weight 32 g
Chassis Material Plastic
Silkscreen Color White

Operating Temperature $0 \,^{\circ}\text{C} - 40 \,^{\circ}\text{C} / 32 \,^{\circ}\text{F} \sim 104 \,^{\circ}\text{F}$ Storage Temperature $-20 \,^{\circ}\text{C} \sim 60 \,^{\circ}\text{C} / -4 \,^{\circ}\text{F} \sim 140 \,^{\circ}\text{F}$

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) |

