



# AU-D18

## Analogue Stereo Lip Sync Corrector

OPERATION MANUAL



## • **Safety Precautions**

Please read all instructions before attempting to unpack or 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 module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

## • **Revision History**

<u>Version No</u>	<u>Date</u>	<u>Summary of Change</u>
<b>V1</b>	<b>20100816</b>	<b>Preliminary Release</b>

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## **1. Introduction**

The analog to analog Lip SYNC Corrector is a tiny cutie device for your audio output delay correction. For every channel of your audio output, the Lip SYNC corrector is able to adjust it with the best timing to display so that users may received both video and audio with more vividly and live enjoyment. No more lip and sound mismatch but more pleasant entertainment enjoyment. The Lip SYNC Corrector is ease use with simple setup and an affordable unit for your entertainment sound delay setting.

## **2. Applications**

- Home Theater
- Cable TV
- Set-Top-Box
- Showroom display

## **3. Package Contents**

- Lip SYNC Corrector
- 5V / 1A Power Adaptor
- Operation Manual

## **4. Features**

- Sample Rates 48 kHz
- Analog to analog signal bypass
- Low power consumption
- Up to 24 bit resolution

## 6. Specifications

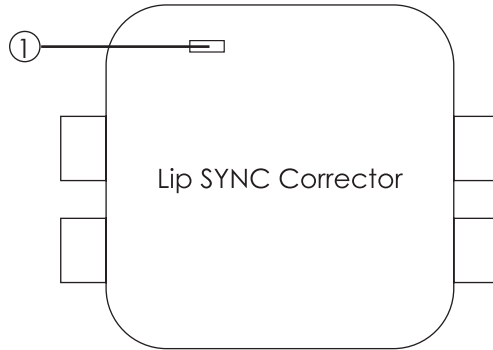
Input Port	1 x L/R
Sample Frequency	48 kHz
Output Port	1 x L/R
Input Impedance	44Kk $\Omega$
Output Impedance	1k $\Omega$
Power Supply	5V / 1A DC ( US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: $\pm 8kV$ (air-gap discharge) $\pm 6kV$ (contact discharge)
Dimensions(mm)	42 (W) x 40.5 (D) x 22(H)
Weight(g)	32
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0°C~40°C / 32°F~104°F
Storage Temperature	-20°C~60°C / -4°F~140°F
Power Consumption	0.5 W
Relative Humidity	20 ~ 90% RH (non-condensing)

### 6.1 Input Audio Reference Level

Input Level / Frequency	Output Terminal	Reference Level	THD+N	Frequency Response	SNR	Crosstalk
Analog L/R 2 Vrms / 20.1k, 20kHz	Analog L/R	2.0 $\pm$ 0.1Vrms	<0.01%	$\pm 1$ Vrms	>80dB	<-80dB

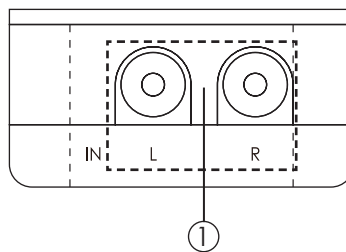
## 7. Operation Controls and Functions

### 7.1 Top Panel



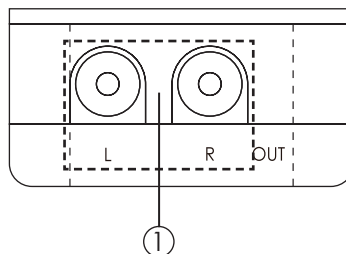
- ① POWER LED: The LED will illuminate in blue when the power is turn on.

### 7.2 Rear Panel



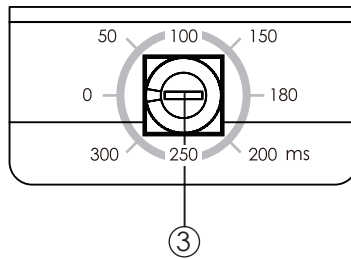
- ① L/R IN: These slots are to connect with input source equipments such as DVD/Blue-Ray player with RCA cable for audio input signal sending.

### 7.3 Left Panel



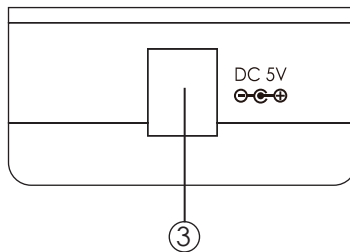
- ① L/R OUT: These slots are where you connect the amplifier or active speaker with RCA cable for audio output.

## 7.4 Front Panel



- ① Lip SYNC switch: This switch has 8 section from 0 to 7 that allows user to set the audio output for delay display from 0~300 millisecond.

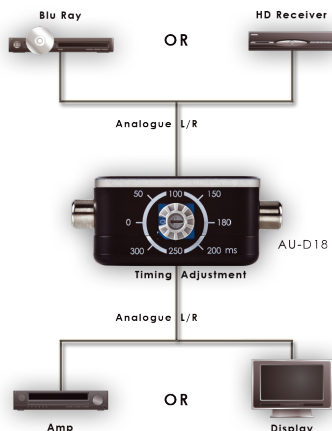
## 7.5 Rear Panel



- ① DC 5V: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.



## 5. Connection Diagram



## 6. Specifications

Input Port	2 x Analogue Audio (L/R stereo)
HDMI input Audio Format	LPCM 7.1, 5.1 or 2 channels and Bitstream (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio)
Output Port	2 x Analogue Audio (L/R stereo)
HDMI Output Audio Formats	PCM2/5.1/7.1, Dolby 5.1, DTS 5.1, DD+, D-TrueHD, DTS-HD
Analogue Output port	1 x HDMI
Multi channel output ports	1 x Optical
Multi channel output audio formats	Dolby 5.1/2 and LPCM 2 channels
Power Supply	0.5W
Dimensions (mm)	45 (W) x 45 (D) x 25 (H)
Weight (g)	140
Chassis Material	Plastic
Silk Skin Colour	Black
Operating Temperature	0 to 40 degrees C



# Acronyms



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**Acronym**

**Complete Term**





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