

SOLUTIONS FOR GROWTH



nT15BX06/DCT - 18N

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
RDV1	22/09/14	Preliminary 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 ~300ms 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

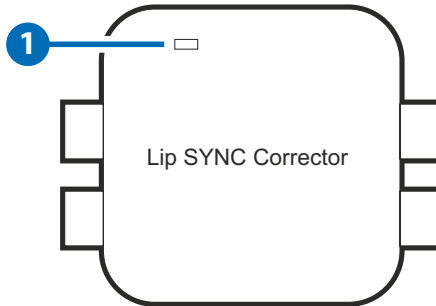
- Analog stereo audio source.

5. FEATURES

- Analog to analog signal bypass
- 8 different sectors adjustment on audio delay time
- Low power consumption

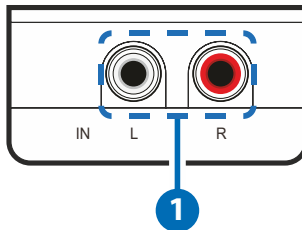
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Top Panel



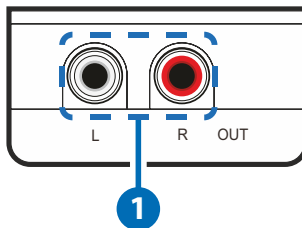
- 1 **POWER LED:** The LED will illuminate in blue when the power is connected.

6.2 Left Panel



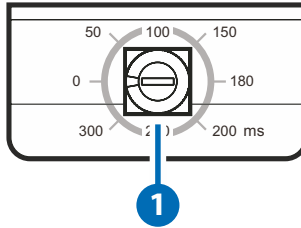
- 1 **L/R IN:** Connect to the source equipment such as a DVD/Blu-Ray player with stereo RCA cables to receive the audio signal.

6.3 Right Panel



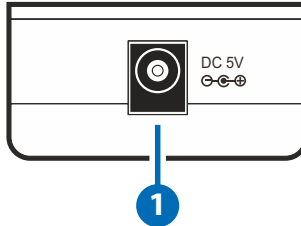
- 1 **L/R OUT:** Connect to the amplifier such as active speakers or TV with stereo RCA cables to output the received audio signal.

6.4 Front Panel



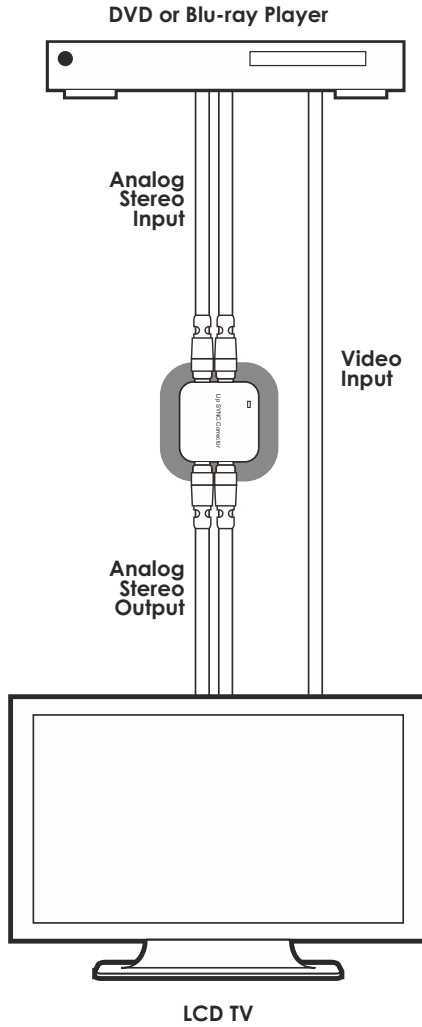
- 1 Lip SYNC Switch:** This switch has eight settings that allow users to set the audio output delay from 0~300 milliseconds in order to perfectly synchronize audio and video signals.

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	1×L/R (with RCA connectors)
Output Port	1×L/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	<-80dB
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 23.5 mm (H)
Weight	32 g
Chassis Material	Plastic
Silkscreen Color	White
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)



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