# AU-1HARC

## ARC Extractor to Analogue Audio


# Operation Manual

## 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 | 22/03/13 | Preliminary Release |
| RDV2 | 08/07/13 | Preliminary Release |

# CONTENTS

## 1. INTRODUCTION

The ARC to Analog Audio Converter is designed to get HDMI audio signal from the TV's ARC (Audio Return Channel) output and send out to active speakers or amplifier. Allowing immediate enjoyment over HDMI audio without delay and obstruct. Supporting HDMI sampling rate up to 192kHz and output analog 2CH audio.

## 2. APPLICATIONS

- Analog audio sound system over digital audio signal
- TV audio output over active speakers
- Video Game player

## 3. PACKAGE CONTENTS

- 1 x ARC to Analog Audio Conveter
- 1 x 5V DC Power Adaptor
- Operational Manual

## 4. SYSTEM REQUIREMENTS

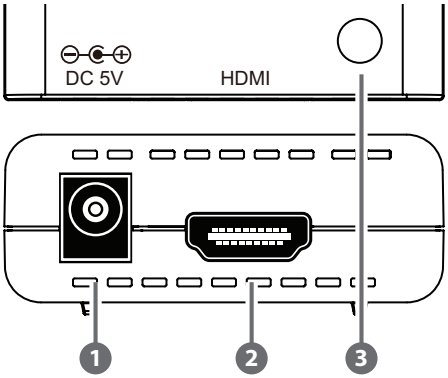
Input TV from ARC connection with audio signal and output active speakers or amplifier.

## 5. FEATURES

- Supports Digital to Analog audio Conversion (DAC)
- Abstract the HDMI audio signal from TV's ARC to Line out output
- Supports HDMI sampling rate up to 192kHz
- Synchronous output sound on TV and Line out
- Supports volume control from TV's remote control over CEC function
- Plug and play with no software require

# 6. OPERATION CONTROLS AND FUNCTIONS

## 6.1 Front Panel




**1 DC 5V:**

Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

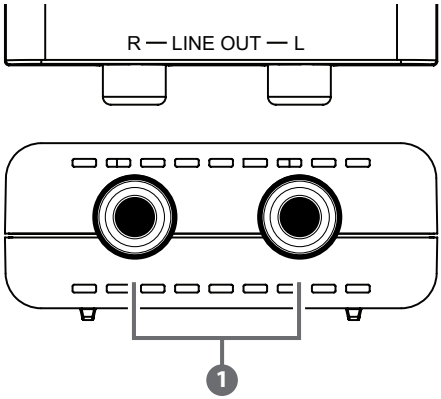
**2 HDMI:**

Connect from TV's ARC connector with Audio signal activated.

**3 Power LED:**

This LED will illuminate when the device is connected with power supply.

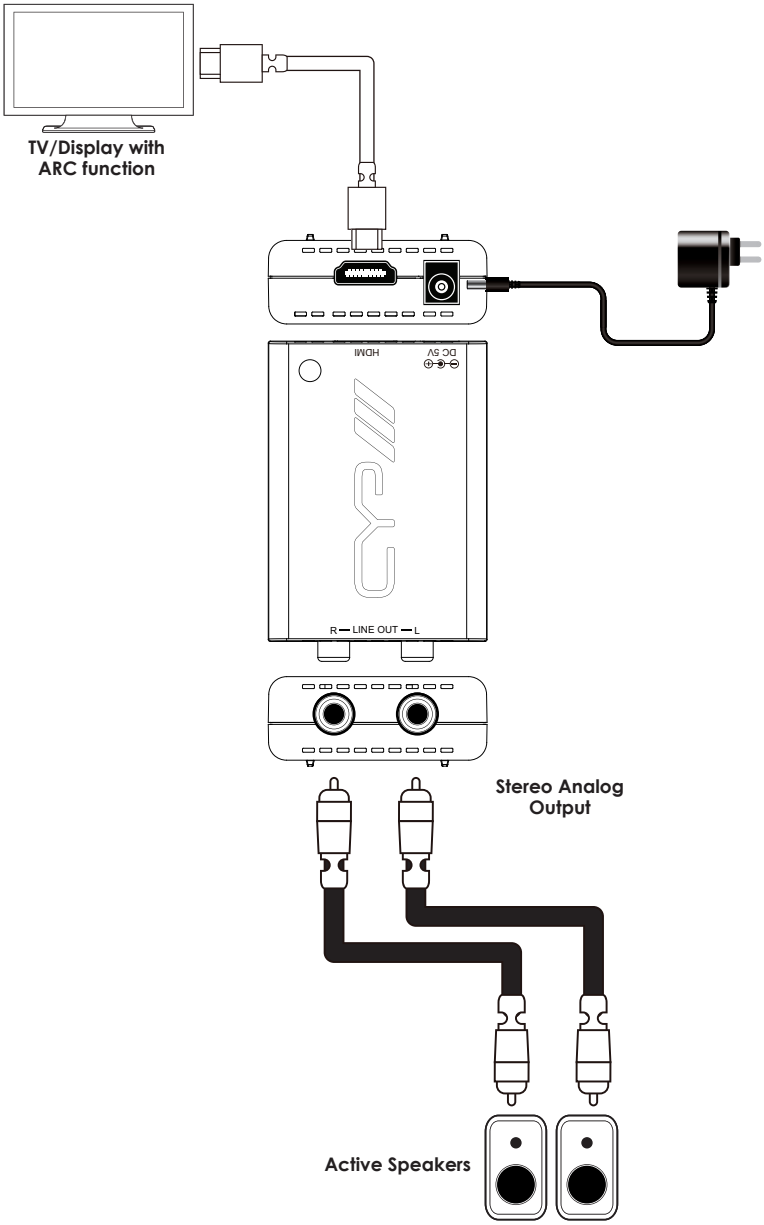
## 6.2 Rear Panel




**1 LINE OUT:**

Connect the R/L OUT to amplifier or active speakers.

## 7. CONNECTION DIAGRAM



## 8. SPECIFICATIONS

| | |
|---|---|
| **HDMI ARC port** | 1 x HDMI |
| **Output Port** | 1 x R/L (Analog Stereo 2RCA) |
| **HDMI Sampling Rate** | Up to 192kHz |
| **ESD Protection** | Human body model:<br>±8kV (air-gap discharge)<br>±4kV (contact discharge) |
| **Power Supply** | 5V DC/ 1A |
| **Dimensions (mm)** | 55(W) x 82(D) x 22.5(H) |
| **Weight(g)** | 46 |
| **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 |
| **Relative Humidity** | 20 ~ 90% RH (non-condensing) |
| **Power Consumption** | 1W |

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