

# USER MANUAL

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# HDMI to VGA+R/L Audio Converter

## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## 1.0 INTRODUCTION

This kind of HDMI to VGA+R/L Audio Converter converts digital HDMI signal into analog VGA video and R/L audio signal. It allows users to enjoy their high definition image and sound when watching movies or playing games on the traditional VGA monitors or projectors.

It offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

## 1.1 FEATURES

This HDMI converter has many features that enable it to perform in a superior manner. Among those features you will find:

- I Easy to Use: Install in seconds, no need of setting.
- I Conversion: It could convert complete HDMI into VGA video and R/L audio output.
- I Support HDCP 1.2
- I Support 165MHz/1.65Gbps per channel (6.75Gbps all channel) bandwidth for HDMI Input.
- I Supports Analogue Video output up to UXGA and 1080p with 10-bit DAC

## 2.0 SPECIFICATIONS

Signal Inputs/Output	
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Input connection	HDMI A female(19pin)
Output connection	VGA, R/L
HDMI video input format	480i/576i/480p/576p/720p/1080i/1080p
VGA video output format	480i/576i/480p/576p/720p/1080i/1080p
Audio output format	2 channel LPCM
Operating Frequency	

Vertical Frequency Range	50/60Hz
Input Video Amplifier Bandwidth	1.65Gpbs/165MHz
<b>Mechanical</b>	
Size(W-H-D)	88mmW x 25.5mmH x 68mmD
Weight(Net)	0.68kgs
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
Operating Temperature	0 °C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 95 % RH (no condensation)
<b>Power Requirement</b>	
External Power Supply	5V DC@2A
Power consumption (Max)	5W
<b>Regulatory Approvals</b>	
Converter Unit	FCC,CE,
Power Supply	CE,FCC
<b>Accessories Adapter</b>	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

**Note:** Specifications are subject to change without notice.

### 3.0 PACKAGE CONTENTS

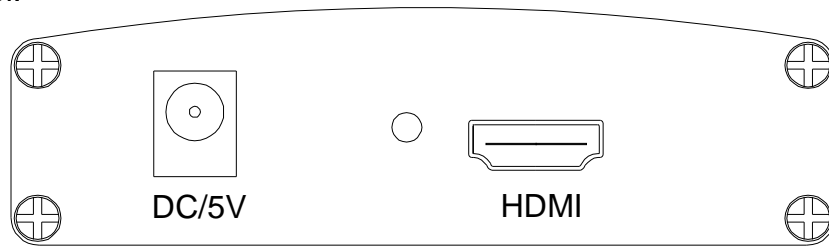
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- I Main unit.
- I 5V DC Power Supply
- I User's Manual

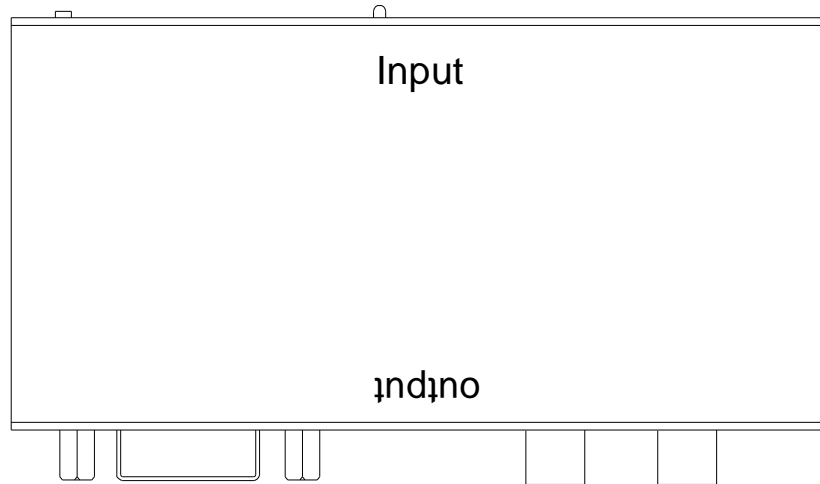
### 4.0 PANEL DESCRIPTIONS

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power requirements.

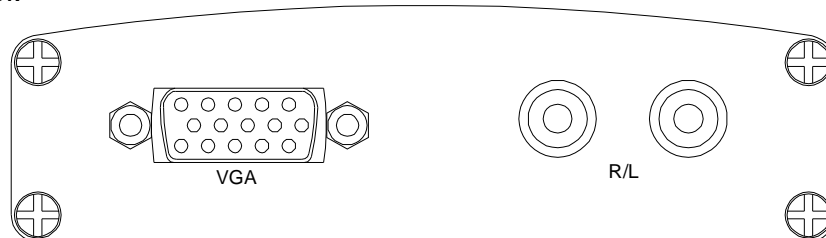
Back Panel:



Upper Panel:



Front Panel:



## 5.0 CONNECTION AND OPERATION

Before installation, please make sure all devices you wish to connect have been turned off.

- 1) Connect the HDMI input from source device to this Converter. (Input cables are optional)
- 3) Connect the VGA and R/L audio output of this product to the display device.
- 4) Insert the DC side of 5v power supply into this product and then connect the AC side of the power supply into the wall outlet.
- 5) Power on all connected devices, choose the input of the display device to its VGA channel.
- 6) The image does not need to be adjusted. This Converter will position it automatically.

**Note:** HDMI to VGA conversion may existing the following compatibility problems

- 1、 If the VGA port of Display doesn't support Refresh Rate at 50HZ, the connected Display will have no image when the HDMI Source setting at 50 Hz.
2. If the VGA port of Display doesn't support resolution at 720p, 1080i and 1080p, the connected Display will have no image when the HDMI Source setting at 720p, 1080i and 1080p,
3. If the connected VGA Display doesn't support interlaced resolution, it will have no image when the HDMI Source setting at 1080i, 480i or 567i.

Our converter fully supports the above formats. These common problems are mainly coursed by Displays not supporting these formats.

### 5.1 CONNECTION DIAGRAM

