

# User Manual (HRGB-AD)

## Table of Contents

<b>1.0 Introduction.....</b>	<b>1</b>
<b>2.0 Specifications.....</b>	<b>1</b>
<b>3.0 Package Contents.....</b>	<b>2</b>
<b>4.0 Panel Descriptions.....</b>	<b>2</b>
<b>5.0 Connection and Operation.....</b>	<b>3</b>

# HDMI Converter (YPbPr to HDMI)

## 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 is a component video (YPbPr) converter that allows older analog devices to be integrated seamlessly into the modern home theater. This adapter connects component video home theater devices to HDMI compliant digital monitors. This adapter also takes digital audio and encodes it onto the HDMI signal for the full HDMI video and audio effect. With the Component + Digital Audio to HDMI Adapter legacy home theater devices can be easily connected to any HDMI display for the full digital video and audio experience.

## 1.1 FEATURES

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

- Allows you to connect YPbPr HDTV sources to an HDMI display
- Encodes digital audio onto the video signal for HDMI video and audio
- Supports HDTV/YPbPr
- Supports highest video resolution 1080p.
- Supports 165MHz/1.65Gbps per channel (6.75Gbps all channel) bandwidth.
- Supports 8bit per channel (24bit all channel) deep color.
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD)

## 2.0 SPECIFICATIONS

<b>Signal Inputs/Output</b>	
Input DDC Signal	5 volts p-p (TTL)
HDMI Connector	type A (19 pin) female
Video Connector	3 RCA Component
Audio Connector	SPDIF
Output Video	HDMI 1.2a
<b>Operating Frequency</b>	
Vertical Frequency Range	50/60Hz
Frequency	1.65Gbps/165MHz
<b>Resolutions(HDTV)</b>	
Interlaced(50&60Hz)	480i,576i,1080i

Progressive(50&60Hz)	480p,576p,720p,1080p
<b>Mechanical</b>	
Size(W-H-D)	88mmW x 25.5mmH x 68mmD
Weight for shipping	0.12KGs
<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 90 % RH (no condensation)
<b>Power Requirement</b>	
External Power Supply	5V DC@2A
Power Consumption(max)	5 W
<b>Regulatory Approvals</b>	
Converter Unit	FCC,CE,UL
Power Supply	UL,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.

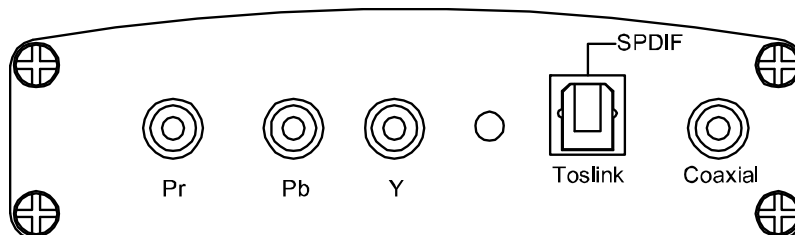
### 3.0 PACKAGE CONTENTS

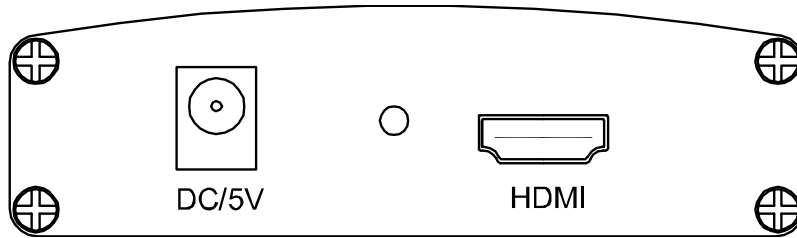
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- Main unit.
- 5V Power Supply
- User's Manual
- HDMI cables are optional.

### 4.0 PANEL DESCRIPTIONS

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





## 5.0 CONNECTION AND OPERATION

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

- 1) Connect the input sources into this product. (Input cables are optional)
- 2) Connect the HDMI device into the HDMI Output slot in the back of this product.
- 3) Insert the DC side of 5v power supply into this product and then connect
- 4) the AC side of the power supply into the wall outlet

**Attention:** Insert / Extract cable gently.

## 5.1 CONNECTION DIAGRAM

