

# KanexPro®

## RGBRLHD USER MANUAL



**Convert component video and analog audio to HDMI**

**All Rights Reserved**

Version: RGBRLHD\_2017V1.0

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## Preface

Read this user manual carefully before using this product. Pictures displayed in this manual are for reference only. Different models and specifications are subject to the actual product.

This manual is only for operational instruction, not for any maintenance usage. The functions described in this version are updated till December 14, 2016. Any changes of functions and parameters since then will be informed separately. Please refer to the dealers for the latest details.

## Trademarks

Product model and logo are trademarks. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without the prior written consent.

## FCC Statement

This equipment can generate, use, and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits of a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



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## SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain or moisture. Do not install this product near water.
- Do not place any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheating.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist/pull by force the ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power cord to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: Do not burn or mix with general household waste; please treat the devices as normal electrical waste.

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## 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. Introduction

The KanexPro component audio-video converter to HDMI is a classic fit for older, analog devices that need seamless integration for today's home theater environments. It connects your component video sources such as VCR, DVD player and high-resolution cameras to HDMI compliant displays and projectors.

The converter takes the R+L audio and encodes it to the HDMI signal for high-resolution video and audio playback. Ideal and cost-effective for legacy home-theater equipment that need the transition to HDMI displays.

### 1.1 Features

- Convert YPbPr (Component-video) and audio source to an HDMI display
- Supports data rates to 6.75Gbps
- HDMI output resolutions up to 1080p (1920x1080@60Hz)
- Supports analog video input to 1080p & UXGA (1600x1200) with 10-bit DAC
- Encodes analog audio signal to HDMI
- Compact size
- 5VDC external power supply included

## 2. Specifications

**Input:** Component(YPbPr+R/L) x1

**Output:** HDMI x1

**Video Amplifier Bandwidth:** 6.75Gbps

**Vertical Frequency Range:** 50/60Hz

**Color Depth:** 8bit per channel

**Resolutions (HDTV):** 480p/576p/720p/1080i/1080p

**Power Supply:** 5V DC@2A

**Power Consumption:** 5W

**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)

**Regulatory Approvals Converter:** FCC, CE, UL

**Regulatory Approvals Power Supply:** FCC, CE, UL

**Dimensions:** 3.5"x2.7"x1" (88x66x25mm)

**Weight:** 0.26lbs (120g)

**Warranty:** 1 Year limited

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

### **3. Package Contents**

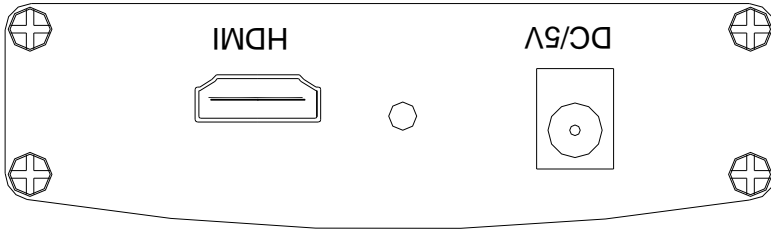
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

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

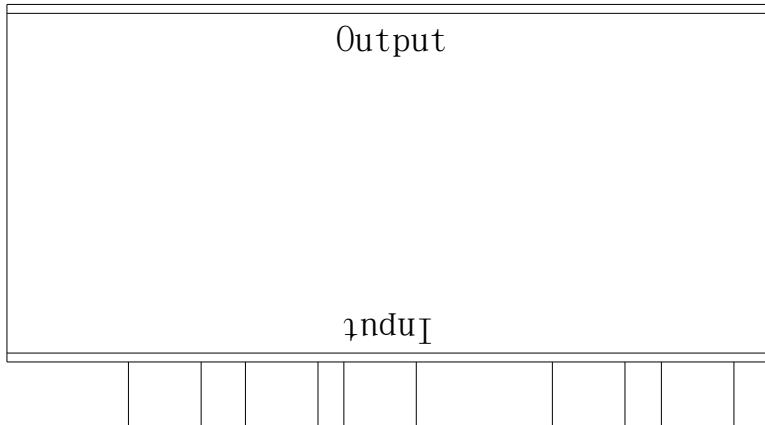
### **4. Panel Descriptions**

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

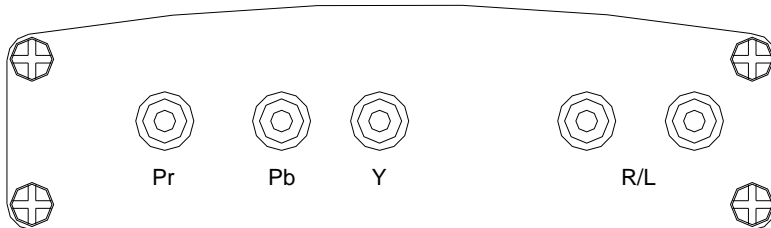
# Back Panel :



# Upper Panel :



# Front Panel :





## 5. Connection and Operation

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

- 1) Connect the YPbPr video and R/L audio to this Converter. (Input cables are optional)
- 2) Connect the HDMI output from this product to the TV which has HDMI input.
- 3) 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.

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

### 5.1 Connection Diagram



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## After-sales Service

If problems arise when operating the device, please refer to this user manual. Any transport costs are borne by the users during the warranty.

- 1. Product Limited Warranty:** We warrant that products will be free from defects in materials and workmanship for **three years**, which starts from the first day the product exits warehouse. (Make note of the serial number on the product)

Proof of purchase in the form of a bill of sale or receipted invoice **MUST** be presented to obtain warranty service.

- 2. What the warranty does not cover:**

- Warranty expiration.
- Factory applied serial number has been altered or removed from the product.
- Damage, deterioration or malfunction caused by:
  - Normal wear and tear
  - Use of supplies or parts not meeting our specifications
  - No certificate or invoice as the proof of warranty.
  - The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
  - Damage caused by force majeure.
  - Servicing not authorized
  - Any other causes which does not relate to a product defect
- Delivery, installation or labor charges for installation or setup of the product

- 3. Technical Support:** Email or call our after-sales department if there are any problems or any unanswered questions. Please inform us the following information about your cases:

- Product version and name.
- Detailed failure situations.
- The formation of the cases.

**Remarks:** For any questions or problems, please try to get help from your local distributor or contact [kanexpro.com](http://kanexpro.com) or call us at 888-975-1368 for further support.

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## Warranty

### A. LIMITED WARRANTY

KanexPro™ warrants that (a) its products (the “Product”) will perform greatly in agreement with the accompanying written materials for a period of 36 months (3 full years) from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years.

### B. CUSTOMER REMEDIES

KanexPro’s entire liability and Customer’s exclusive remedy shall be, at KanexPro option, either return of the price paid for the product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to KanexPro with a copy of customers’ receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period of 3 years, whichever is longer.

### C. NO OTHER WARRANTIES

To the maximum extent permitted by applicable law, KanexPro disclaims all other warranties, either express or implied, including, but not limited to implied warranties of merchantability and fitness for a purpose, regarding the product and any related written materials. This limited warranty gives customers specific legal rights. Customers may have other rights depending on the jurisdiction.

### D. NO LIABILITY FOR DAMAGES

To the maximum extent permitted by applicable law, in no event shall KanexPro be liable for any damages whatsoever (including without limitation, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if KanexPro has been advised of the possibility of such damages.

**KanexPro**<sup>®</sup>

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