



**A 3173A - HDMI to Component and
Stereo Audio Converter**

USER MANUAL

Table of Contents

1.0 Introduction.....	2
2.0 Panel Descriptions.....	3
3.0 Connection and Operation	3
4.0 Specifications.....	4

Distributed by Altronic Distributors Pty Ltd

www.altronic.com.au

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 device converts HDMI input into analog YPbPr component video and stereo L/R audio signal. It allows users to enjoy high definition images and stereo sound when watching movies or playing games on the traditional RGB monitors or projectors.

It offers solutions for the home digital entertainment center, HDTV displays at retail sites, conference room presentations, school and corporate training environments, and video monitoring for security purposes.

1.1 Features

- Easy to Use: Install in seconds, no need to set complex parameters.
- Supports HDCP 1.2
- Supports 165MHz/1.65Gbps per channel (6.75Gbps all channel) bandwidth for High Speed HDMI Input.
- Supports Analogue Video output up to UXGA and 1080p with 10-bit DAC.

1.2 Package Contents

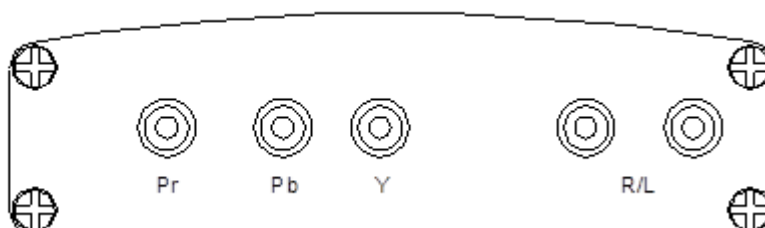
Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

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

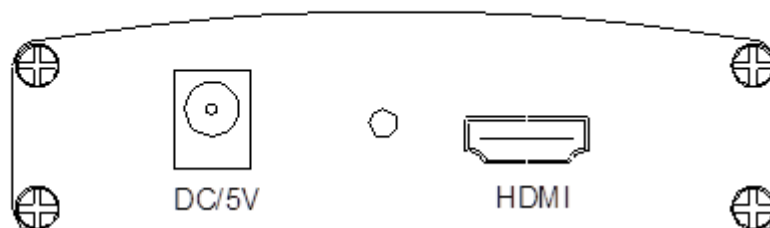
2.0 PANEL DESCRIPTIONS

Please study the panel drawings below and become familiar with the signal inputs, outputs and power requirements.

Front Panel:



Back Panel:



3.0 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 not included)
- 2) Connect the YPbPr and L/R audio output of this product to the component input of the display device.
- 3) Insert the DC side of the 5V power supply into this product and then connect the AC side of the power supply into the wall outlet.
- 4) Power on all connected devices. Then set the display device's input to its YPbPr or component channel.
- 5) The image does not need to be adjusted. This Converter will position it automatically.

Note: It is generally considered best practice to avoid 'Hot Swapping' HDMI cables i.e. do not remove or plug in HDMI cables when input sources or output devices are turned on.
Attention: Insert / Extract HDMI cables gently.

The following problems may appear when using this HDMI to YPbPr Converter:

1. Some traditional CRT monitor displays may not work properly with this Converter. This is mainly due to the fact that these older televisions only support 480i and 576i YPbPr interlaced screen resolution.
2. Some displays have YPbPr channels that do not support a screen resolution of 1080p (Full High Definition). If no image from the HDMI source appears on the screen after connecting the Converter via high quality component cables, then set the HDMI source resolution lower.

Figure 1: Connection Diagram



4.0 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	YPbPr, L/R
HDMI video input format	480i/576i/480p/576p/720p/1080i/1080p
YPbPr video output format	480i/576i/480p/576p/720p/1080i/1080p
Audio output format	2 channel LPCM
Vertical Frequency Range	50/60Hz
Input Video Amplifier Bandwidth	1.65Gpbs/165MHz
Mechanical and Environmental	
Size(W-H-D)	88mmW x 25.5mmH x 68mmD
Weight(Net)	0.68kgs
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)
Power Requirement	
External Power Supply	5Vd.c. @ 2A
Power consumption (Max)	5W
Regulatory Approvals	
Converter Unit	FCC,CE,
Power Supply	CE,FCC

Note: Specifications are subject to change without notice. Weight and dimensions are approximate.

**Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner. Keep away from moisture, naked flames and other heat sources.