



Instruction Manual

**1T-YPBPR-HDMI
Analog Component to HDMI
Format Converter**

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1.0 INTRODUCTION

Thanks for purchasing this One Task Format Converter from TV One. The 1T-YPBPR-HDMI converts YPbPr or YCbCr analog component video signals to an HDMI output while also providing integration of an external digital audio signal into the HDMI data stream. This enables display on HDMI monitors or input to HDMI switcher devices. Our professional video conversion products have been serving the industry for over twenty years. TV One offers a full line of high quality Seamless Switchers, Video Scalers, Up/Down/Cross Converters, Analog-Digital Converters (SD/HD-SDI, HDMI, DVI), Format Converters, Standards Converters, TBC/Frame Synchronizers, Matrix Routing Switchers, Signal Distribution Amplifiers and Cat.5 Transmission Systems.

1.1 Liability Statement

Every effort has been made to ensure that this product is free of errors. TV One cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

TV One reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

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1.2 Features

The 1T-YPBPR-HDMI has many features that enable it to perform in a superior manner. Among these features you will find:

- Excellent HDMI Compliant Video Quality
- Automatic Input Format Detection
- Plug and Play for easy installation
- Toslink Audio Support
- Operating Frequency to 165Mhz

2.0 SPECIFICATION

Input	
YPbPr/YUV Video	via 3x RCA Connectors
Digital Audio	via Toslink Optical Connector
Output	
HDMI	via HDMI Connector
Input Resolutions	
Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p, 576p, 720p, 1080p
Special (24 to 50Hz)	1080p@24, 1080p@25 1080p@30, 1080p@50
Video Specifications	
Progressive Component	YPbPr
Interlaced Component	YUV (Y,R-Y,B-Y)
Input Signal Levels	Y= 1Vp-p. Pb, Pr, U, V= 0.7Vp-p
Impedance	75Ω, all inputs
Bandwidth	Up to 165Mhz
Compliance	
HDMI	Version 1.2
Mechanical	
Size (H-W-D)	30x76x105mm (1.2"x3"x4.1")
Weight (Net)	200 g (0.43 lbs)
Warranty	
Limited Warranty	2 Years Parts and Labor
Environmental	
Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	10% to 90%, Non-condensing
Power Requirement	
External Power Supply	5VDC@1A, Center Positive
Regulatory Approvals	
Converter Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
Accessories Included	
1x Power Adapter	US, UK or Euro
1x Operations Manual	
Product Item Number	1T-YPBPR-HDMI

3.0 CHECKING PACKAGE CONTENTS

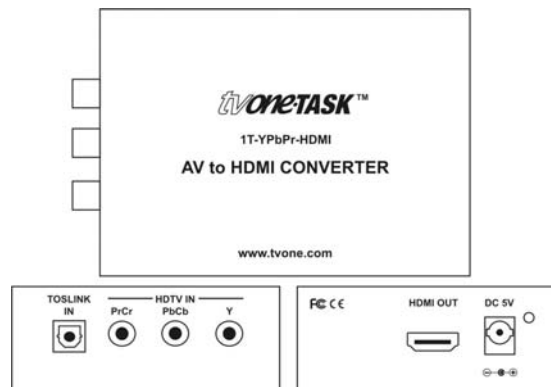
Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- 1x 1T-YPBPR-HDMI Format Converter
- 1x Power Adapter
- 1x Operations Manual

Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact your reseller or TV One immediately. Have the Model and Serial Number and Invoice available for reference when you call.

4.0 CONNECTING THE HARDWARE

Please study the drawings below and become familiar with the signal input, output, power requirements plus any controls present.



To begin, connect the AC adapter to the Format Converter's power input. Next connect a component video cable to the source device and then the Converter. After connecting the video cable, connect a Toslink audio cable between the source device's digital audio output and the Toslink input on the converter. Finally, connect an HDMI output cable(s) to the Converter and to the destination device. Once the cables have been connected, you can apply power to the source and destination devices and then plug the Converter's AC adapter into the AC power source. An LED next to the Converter's power input connector will light and the Converter will begin to function as soon as it has power. You should see an image on the output device as well as hear stereo audio (if you connected a cable between the source device's digital audio output and the Converter's TOSLINK connector).

5.0 OPERATING THE UNIT

The 1T-YPBPR-HDMI device does not have any controls that require adjustment. Simply connect the cables and power as explained above and the device will automatically convert the analog YPbPr or YCbCr signal present on its input to a Version 1.2 compliant HDMI signal on its output.

6.0 TROUBLESHOOTING

Other than problems with power or cabling, there is little in the way of troubleshooting required for the product. If neither the cabling nor the power is at fault and you still have faulty operation, make certain that both the source and destination devices are working properly.

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting TV One. Should the dealer's technical personnel be unable to assist you, contact TV One via our support website:

<http://tvone.crmdesk.com>. Create a technical support request on the site and our support team will respond within a short period of time.

7.0 LIMITED WARRANTY

LIMITED WARRANTY – With the exceptions noted in the next paragraph, TV One warrants the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in TV One's opinion, prove defective within this warranty period, TV One, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of TV One. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into TV One products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to TV One.

If repairs are necessary under this warranty policy, the original purchaser must obtain a Return Authorization Number from TV One and return the product to a location designated by TV One, freight prepaid. After repairs are complete, the product will be returned, freight prepaid.

LIMITATIONS - All products sold are "as is" and the above Limited Warranty is in lieu of all other warranties for this product, expressed or implied, and is strictly limited to two years from the date of purchase. TV One assumes no liability to distributors, resellers or end-users or any third parties for any loss of use, revenue or profit.

TV One makes no other representation of warranty as to fitness for the purpose or merchantability or otherwise in respect of any of the products sold. The liability of TV One with respect to any defective products will be limited to the repair or replacement of such products. In no event shall TV One be responsible or liable for any damage arising from the use of such defective products whether such damages be direct,

indirect, consequential or otherwise, and whether such damages are incurred by the reseller, end-user or any third party.

8.0 REGULATORY COMPLIANCE

The 1T-YPBPR-HDMI Converter has been tested for compliance with appropriate FCC and CE rules and regulations. The Power Adaptor/Supply has been tested for compliance with appropriate UL, CUL, CE, PSE, GS Rules, Regulations and/or Guidelines. This Product and Power Adapter is RoHS Compliant.

9.0 CONTACT INFORMATION

Should you have questions or require assistance with this product in areas not covered by this manual, please contact TV One at the appropriate location shown below:

TV One USA

2791 Circleport Drive
Erlanger, KY 41018
USA
Tel 859-282-7303
Fax 859-282-8225
sales@tvone.com
www.tvone.com

TV One Europe

Continental Approach
Westwood Industrial Estate
Margate, Kent CT9 4JG, UK
Tel +44 (0)1843 873311
Fax +44 (0)1843 873312
sales.europe@tvone.com
www.tvone.eu

TV One Latin America

6991 NW 82 Avenue #8
Miami, FL 33166
USA
Tel 305-396-6275
Fax 305-418-9306
sales.latinoamerica@tvone.com
www.tvonela.com

TV One Mercosur

Honduras 5849, 2nd Floor, Office C
(C1414BNI) Capital Federal
Buenos Aires, Argentina
Tel +54 11 4771-5570
Fax +54 11 4771-5570
sales.latinoamerica@tvone.com
www.tvonela.com

TV One Asia

11F, NO.28, Sec. 2
San-Min Rd, Panchiao City
Taipei Hsien 220
Taiwan R.O.C.
Tel +886 2 8951-0674
Fax +886 2 8951-0675
sales.asia@tvone.com
www.tvoneasia.com

TV One China

Room 1007, Golden Peach Building
No. 1900 Shangcheng Road
Pudong, Shanghai
China 200120
Tel +86 21 5830-2960
Fax +86 21 5851-7949
sales.china@tvone.com
www.tvonechina.com

End of Manual