

User Manual

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Mini DisplayPort 1.2 to HDMI Adapter

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

Mini DisplayPort 1.2 to HDMI Adapter is a single port HDMI Level Shifter with re-timing. It supports AC and DC coupled TMDS signals up to 3.0-Gbps operation with programmable equalization and jitter cleaning. It includes Type 2 Dual-Mode DP Cable Adaptor registers which can be used to identify the cable adaptor's capabilities. The jitter cleaning PLL can better meet HDMI jitter compliance for higher data rates.

1.1 FEATURES

- Supports DisplayPort 1.2 and 4 lanes.
- AC coupling capable for level shifting
- Support DisplayPort 1.2a input and HDMI 1.4b output.
- Support 4K X 2K & 3D video formats over HDMI
- Supports multiple color format: RGB 6/8/10/12-bit per component (bpc) and YCbCr4:4:4, YCbCr4:2:2, 8/10/12bpc.
- Compliant to HDMI 1.4b specification up to 3.0Gbps.
- Jitter Cleaning PLL for best compliance
- Built-in DDC Active buffering Side-band Signals
- Superior Intra-pair and Inter-pair de-skewing
- Powered from DisplayPort source.

2.0 SPECIFICATIONS

Signal Inputs/Output	
Input Video Signal	5 Volts p-p (TTL)
Maximum Single Link Range	4Kx2K
Output Video	HDMI 1.4b
Input/Output Connector	Input: Mini DisplayPort Male 20pin Output: HDMI Female Type A 19pin
Operating Frequency	
Vertical Frequency Range	50/60Hz

Video Amplifier Bandwidth	1.62Gbps/2.7Gbps
Resolutions(HDTV)	
No 3D Mode	Up to 4Kx2K@30HZ
3D Mode	support
Mechanical	
Weight(Net)	14.8g
Warranty	
Limited Warranty	1 Year
Environmental	
Operating Temperature	0 °C to +45°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90 % RH (no condensation)
Power Requirement	
External Power Supply	No external power needed
Power consumption (Max)	1W
Regulatory Approvals	
Converter Unit	FCC,CE
Accessories Adapter	
User Manual	English

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
- User's Manual

4.0 PRODCUT SHOW

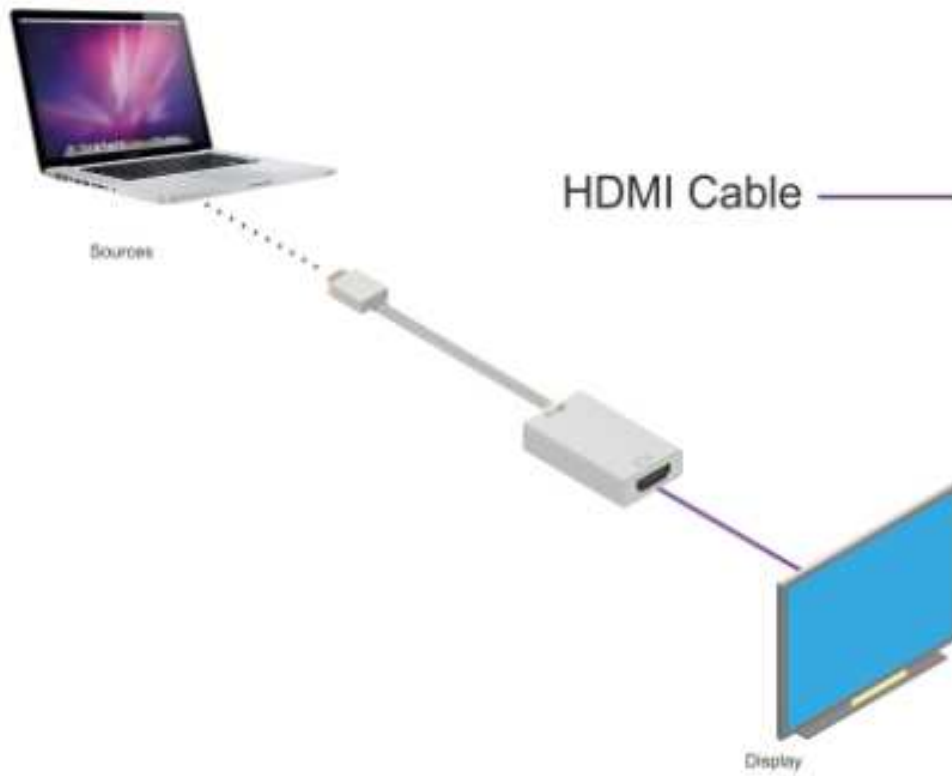


5.0 CONNECTION AND OPERATION

- 1) Connect the Mini DisplayPort male to Mini DisplayPort source device.
- 2) Connect the HDMI female to display by HDMI M/M cable.

Attention: Insert / Extract cable gently.

5.1 CONNECTION DIAGRAM



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