



CDPS-UA1H2HS

1 by 2 HDMI 4K UHD Splitter

4K x 2K



Operation Manual

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE (DD/MM/YY)	SUMMARY OF CHANGE
RDV1	16/12/14	Preliminary Release
RDV2	19/03/15	Front Panel Silkscreen
VS0	10/04/15	Updated Text & Diagrams



CONTENTS

1. Introduction	1
2. Applications	1
3. Package Contents	1
4. System Requirements	1
5. Features	1
6. Operation Controls and Functions	2
6.1 Front Panel	2
6.2 Rear Panel.....	3
7. Connection Diagram	4
8. Specifications	5
8.1 Technical Specifications	5
8.2 Supported Resolutions	6
9. Acronyms	6





1. INTRODUCTION

This high performance HDMI splitter with HDCP 2.2 is an advanced solution designed to distribute an single HDMI input to two simultaneous HDMI outputs and supports resolutions up to 4K2K@60Hz (YUV420), as well as High Definition Lossless Audio formats. Capable of receiving and transmitting up to 9 Gbps of bandwidth with no data loss, it also supports the latest features so you can be assured of reliable and high quality HDMI distribution.

2. APPLICATIONS

- Simultaneously display an HDMI source on 2 TVs/projectors
- Showroom display
- University lecture hall display
- Retail sales displays

3. PACKAGE CONTENTS

- 1×1 by 2 HDMI 4K UHD Splitter
- 1×5V/2.6A Power Adaptor
- 1×Operation Manual

4. SYSTEM REQUIREMENTS

HDMI source device such as a DVD/Blu-ray player and HDMI equipped display (TVs/monitors) with High Speed HDMI cables.

5. FEATURES

- HDMI (with 3D & 4K2K support) and HDCP 2.2 compliant
- Supports HDTV resolutions up to 4K2K including 3840×2160@24/25/30Hz, 3840×2160@50/60Hz (YUV420), 4096×2160@24/25/30Hz, 4096×2160@50/60Hz (YUV420) and PC resolutions up to WUXGA@60Hz (RB)
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2/5.1CH, DTS Surround, Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio
- Supports simultaneous outputs of an single HDMI signal to two HDMI

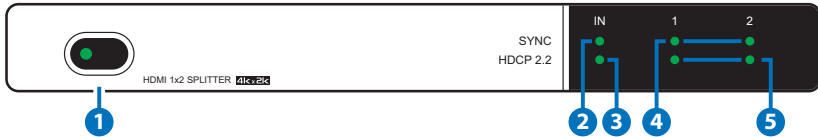
outputs

- Supports HDMI data rates up to 9 Gbps and 'Deep Color' up to 1080p/36-bit
- Supports EDID selection functions

Note: For playback of 4K2K HDMI source signals, a 4K2K capable display and High Speed HDMI cables are required.

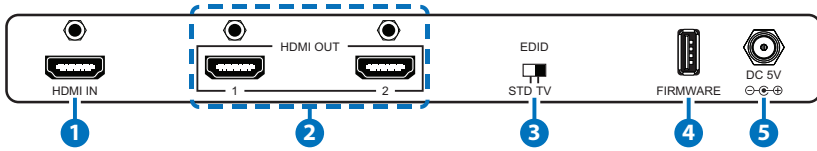
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



- 1 POWER:** This LED will illuminate when the unit is connected to an active power supply and switched on.
- 2 SYNC IN:** This LED will illuminate when the unit is connected with active signal from the source device.
- 3 HDCP 2.2 IN:** This LED will illuminate when the source signal is HDCP 2.2 encrypted.
- 4 SYNC OUT 1~2:** These LEDs will illuminate when the output detects a connected display.
- 5 HDCP 2.2 OUT 1~2:** These LEDs will illuminate when the connected HDMI display are HDCP 2.2 compatible.

6.2 Rear Panel



- 1 HDMI IN:** Connect this input to the HDMI or DVI output of your source device such as a DVD player or Set-top Box with an HDMI cable.
- 2 HDMI OUT 1~2:** Connect to an HDMI equipped display (TV/monitor) or HD Amplifier for simultaneous HDMI distribution.
- 3 EDID TV/STD:** Use this switch to set HDMI EDID setting.

TV: When in 'TV' mode, the unit will read the EDID settings of the display connected to HDMI OUT 1. If it detects a 4K2K capable EDID setting it will transmit the signal in that format to all outputs. If no 4K2K capable EDID setting is detected then the unit will output the best resolution that all displays can support.

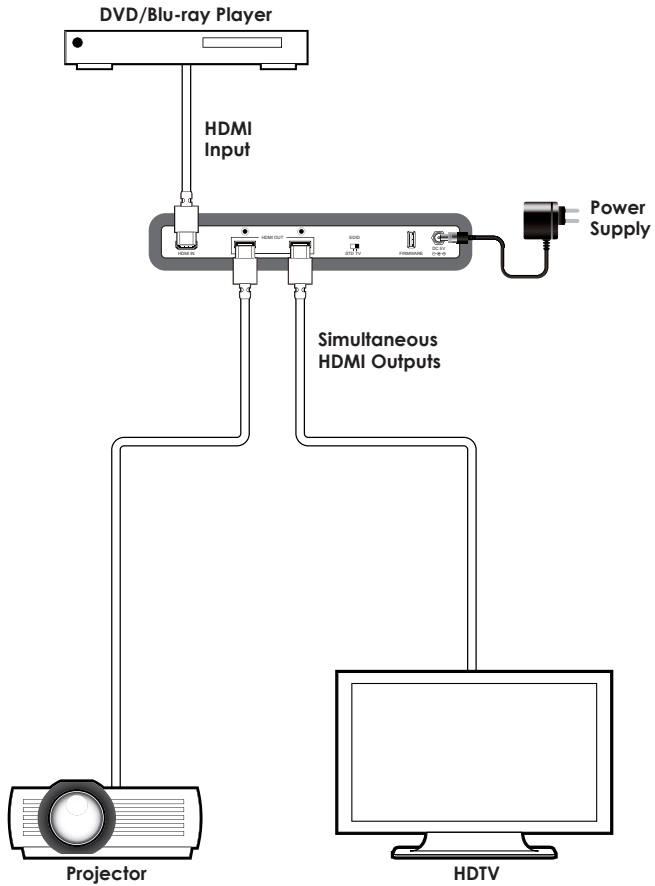
Note: When Output 1 is connected to a 4K2K display and Output 2 is connected to non-4K2K display no picture may be displayed. To ensure proper display all screens must all be capable of displaying the same resolution.

STD: When in 'STD' mode, the unit will use its own built-in EDID settings. In this mode, the video output will be set to 1080p@60Hz and the audio output at LPCM 2CH Stereo. Use this mode if there are display problems in 'TV' Mode.

Note: The unit will retain and use the EDID settings of the last display connected to the HDMI OUT 1 output if no display is connected to this output even after switching EDID modes or a power cycle.

- 4 FIRMWARE:** Manufacturer use only.
- 5 DC 5V:** Plug the supplied power supply into the unit and connect the adaptor to an AC outlet.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

8.1 Technical Specifications

Video Bandwidth	300MHz/9 Gbps
Input Ports	1×HDMI
Output Ports	2×HDMI
HDMI Cable Distance	1080p@8/12-bit - 10 m 4K2K (3840×2160p@24) - 5 m
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	220 mm (W)×121 mm (D)×27 mm (H)/Jacks Excluded 220 mm (W)×127.25 mm (D)×28.3 mm (H)/Jacks Included
Weight	368g
Chassis Material	Metal
Color	Black
Operating Temperature	0°C~40°C/32°F~104°F
Storage Temperature	-20°C~60°C/-4°F~140°F
Relative Humidity	20~90% RH (no condensation)
Power Consumption	5.83 W

8.2 Supported Resolutions

RESOLUTION	INPUT	OUTPUT
640×480@60/72/75	√	√
720×480@60	√	√
720×576p@50	√	√
800×600@60/72/75	√	√
1024×768@60/70/75	√	√
1280×720@50/60	√	√
1280×720p@60	√	√
1280×768@60	√	√
1280×800@60	√	√
1280×1024@60	√	√
1360×768@60	√	√
1600×1200@60	√	√
1920×1080i@50/60	√	√
1920×1080p@24/25/30/50/60	√	√
1920×1200@60 (RB)	√	√
3840×2160@24/25/30	√	√
3840×2160@50/60 (YUV420)	√	√
4096×2160@24/25/30	√	√
4096×2160@50/60 (YUV420)	√	√

9. ACRONYMS

ACRONYM	COMPLETE TERM
DTS	Digital Theater System
EDID	Extended Display Identification Data
HDCP	High-bandwidth Digital Content Protection
HDMI	High-Definition Multimedia Interface
HDTV	High Definition Television



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