

CPRO-U2T 1 by 2 4K UHD HDMI Splitter





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	16/08/16	Preliminary Release



CONTENTS

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



1. INTRODUCTION

This 1 by 2 4K UHD HDMI Splitter is an advanced solution for splitting and distributing a single HDMI input to 2 HDMI outputs. It provides a high level of audio and video performance with support for resolutions up to 4K@60Hz (YUV4:2:0) resolution and high definition digital audio formats such as LPCM 7.1CH with audio sampling rates up to 192kHz, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio. Additionally, the System Reset function allows the unit to change the input selection on any connected, CEC enabled, TVs to the input the unit is currently connected to automatically.

2. APPLICATIONS

- Classroom and Lecture Hall Presentations
- Showrooms and Demo Rooms
- Hotel Lobby information Displays
- Public Commercial Displays

3. PACKAGE CONTENTS

- 1 by 2 HDMI splitter
- 5V/1.2A DC Power Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

- HDMI source equipment such as media players, video game consoles or set-top boxes.
- HDMI receiving equipment such as HDTVs, monitors or audio amplifiers.
- The use of "Premium High Speed HDMI" cables id highly recommended.



5. FEATURES

- HDMI 2.0 and DVI 1.0 compliant
- HDCP 1.4 compliant
- 1 HDMI input and 2 HDMI outputs
- System reset function (CEC active source command)
- Simultaneous display of a single Ultra High-Definition source on up to 8 4K UHD TV displays
- 3D signal support (with 3D source and compatible 3D TV)
- Supports 4K UHD resolutions up to 4096x2160@60Hz(YUV4:2:0, 8 bit)
- Pass-through high definition audio: including LPCM up to 7.1, Dolby Digital, DTS
- Pass-through of high definition audio including LPCM up to 7.1, Dolby Digital, DTS, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- EDID management control including Standard mode and TV mode



6. OPERATION CONTROLS AND FUNCTIONS

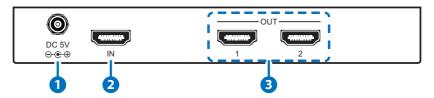
6.1 Front Panel



- 1 POWER: This LED will illuminate to indicate the unit is on and receiving power.
- 2 IN: This LED will illuminate to indicate that a live source has been detected on the input port. When no source is detected the LED will remain off.
- 3 OUT LEDs 1~2: These LEDs will illuminate to indicate when a valid sink has been detected on the associated output port. When no sink is detected the LED will remain off.
- 4 EDID: This switch controls the EDID management behavior of the unit. When set to "TV" mode the unit will read and store the EDID from the sink connected to output 1 and pass it to the connected source. When set to "STD" mode the unit will use a built in EDID defined as 1080p@60Hz, 8-bit, LPCM 2.0.
- 5 SYS-RST: Controls the CEC "active source" reset functionality of the unit. When switched to the "ON" position the unit will send a CEC active source reset command to all connected displays every 8~10 minutes. This command requests that any connected CEC compliant TVs switch to the input the unit is connected on. (This function is ideal for TV displays where the public has access to the controls and might switch the input away from the preferred source)
- **6 SERVICE**: This slot is reserved for firmware update use only.

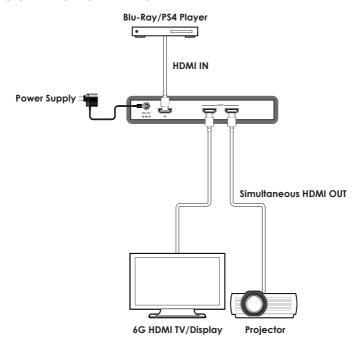


6.2 Rear Panel



- 1 DC 5V: Plug the 5V DC power adapter into the unit and connect it to an AC wall outlet for power.
- 2 IN: Connect to HDMI source equipment such as a media player, game console or set-top box.
- 3 OUT 1~2: Connect to HDMI TVs, monitors or amplifiers for digital video and audio output.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

8.1 Technical Specifications

Video Bandwidth 300MHz/9Gbps

Input Ports 1× HDMI

1× USB(Service)

Output Ports 2× HDMI

Supported Resolutions VGA~WUXGA

480i~1080p@60Hz

4K@24/25/30Hz (YUV4:4:4) 4K@50/60Hz (YUV4:2:0)

HDMI Cable I/O Distance* 5M (4K@60Hz, YUV4:2:0, 8-bit)

10M (1080p@60Hz, 8-bit)

Power Supply 5V/1.2A DC (US/EU standards, CE/FCC/

UL certified)

ESD Protection Human Body model:

± 8kV (air-gap discharge)

± 4kV (contact discharge)

Chassis Material Metal

Silkscreen Color Black

Dimensions 161mm × 22mm × 68mm (W×H×D)

[Case Only]

161mm × 26mm × 76.5mm (W×H×D)

[All Inclusive]

Weight 306 g

Operating Temperature $0^{\circ}\text{C} \sim 40^{\circ}\text{C} / 32^{\circ}\text{F} \sim 104^{\circ}\text{F}$

Storage Temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C} / -4^{\circ}\text{F} \sim 140^{\circ}\text{F}$

Relative Humidity 20 ~ 90% RH (no condensation)

Power Consumption 1.21 W



8.2 Supported Resolutions

DVI and HDMI Supported Resolutions	Input	Output
640x480@60/72/75/85Hz	✓	✓
800x600@56/60/72/75/85Hz	✓	✓
1024x768@60/70/75/85Hz	✓	✓
1280x1024@60Hz	✓	✓
1366x768@60Hz	✓	✓
1600x1200@60Hz	✓	✓
1920x1080@60Hz	✓	✓
1920x1200@60Hz	✓	✓
1440x576i@50Hz	✓	✓
1440x480i@59.94/60Hz	✓	✓
720x480p@59.94/60Hz	✓	✓
720x576p@50Hz	✓	✓
1280x720p@50/59.94/60Hz	✓	✓
1920x1080i@50/59.94/60Hz	✓	✓
1920x1080p@23.97/24/25/29.97/30/50/59.94/60Hz	✓	✓
3840x2160@24/25/30Hz	✓	✓
3840x2160@50/60Hz (YUV4:2:0)	✓	✓
4096x2160@24/25/30Hz	✓	✓
4096x2160@50/60Hz (YUV4:2:0)	✓	✓

