

# HDMI UHD 4k2k 1 In 2 Out Splitter with HDCP 2.2 - # 15382



**Operation Manual**

## 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 9Gbps of bandwidth with no data loss, it also supports the latest features so you can be assured of reliable and high quality HDMI distribution.

## Applications

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

## 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.

## System

### Requirements

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



## Operation Controls and Functions

### 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.

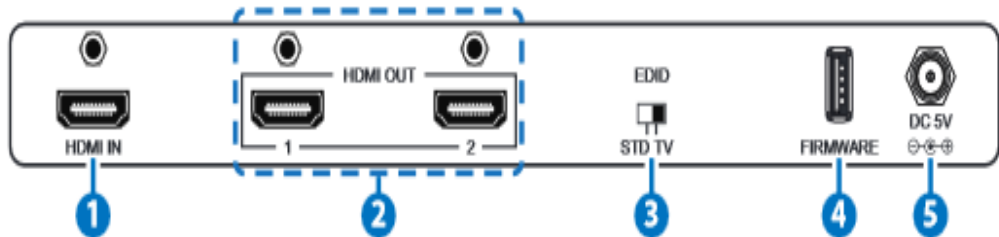
#### 4. SYNC OUT 1~2:

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.

### 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:**

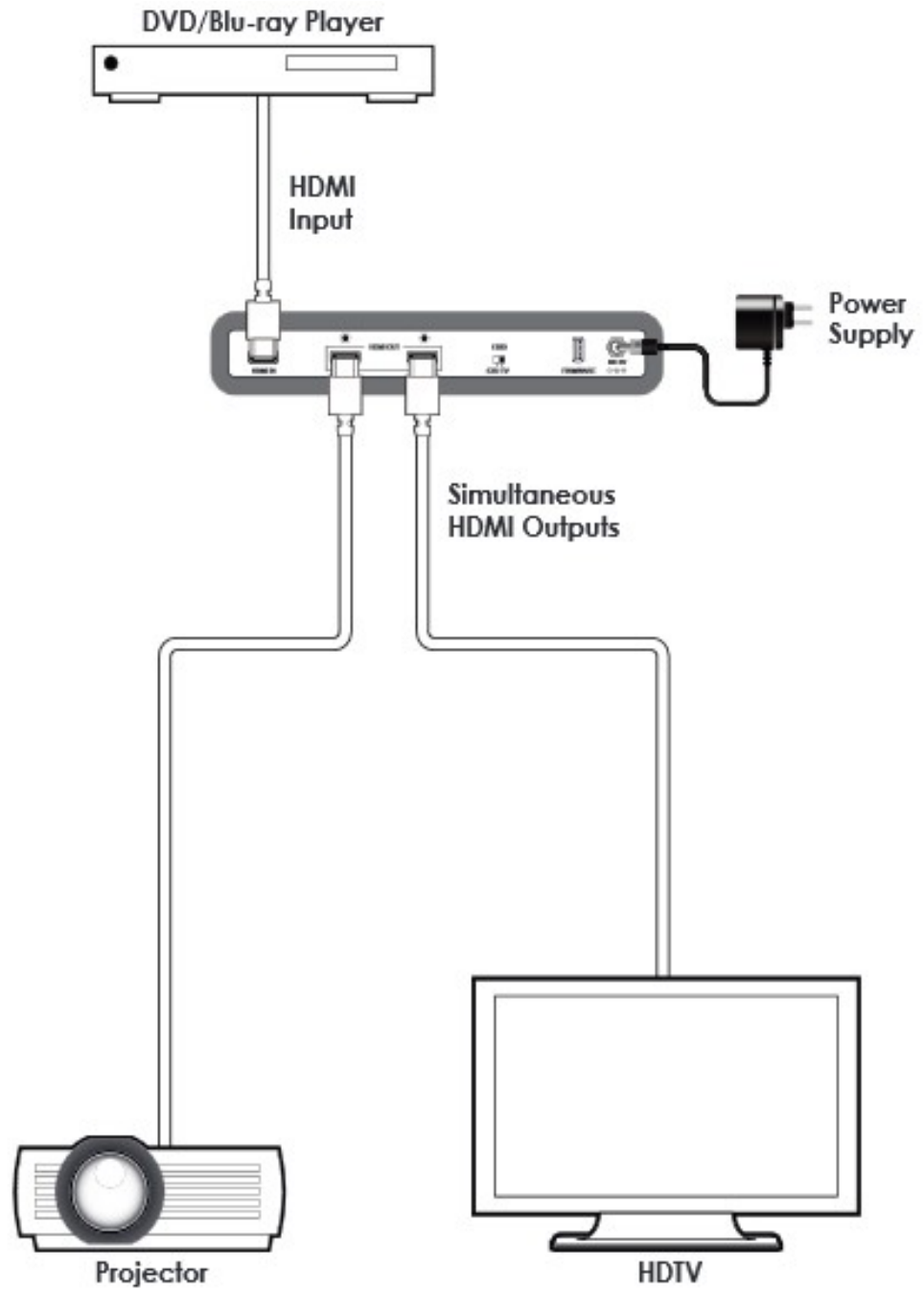
Plug the supplied power supply into the unit and connect the adaptor to an AC outlet.

**Specifications**

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



# Connection Diagram



## 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)	√	√