

**HDMI 1 in 10 out UHD Splitter w/  
HDCP 2.2 - # 15406**



**Operation Manual**

## Introduction

This 1 by 10 HDMI Splitter with HDCP 2.2 is an advanced solution for splitting a single HDMI input to ten HDMI outputs. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz\_YUV420 resolution and is capable of receiving and transmitting up to 9Gbps of bandwidth with no data loss. Supporting the latest features you can be assured of reliable and high quality HDMI distribution.

## Applications

- Home entertainment
- Showroom display
- Educational demo
- Commercial advertisement

## Features

- HDMI (with 3D & 4K2K supported) and HDCP2.2/1.4 compliant
- Supports HDTV resolutions up to 4Kx2K (3840x2160@24/25/30, 3840x2160@50/60 YUV\_420 & 4096x2160@24/25/30, 4096x2160@50/60 YUV\_420) and PC resolutions up to WUXGA@60Hz(RB)
- Supports HDMI data rate up to 9Gbps and 'Deep Color' up to 1080p/36-bit
- Supports simultaneous outputs on ten HDMI
- Supports pass-through of audio formats: LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS Surround, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- Supports EDID selection functions
- Supports CEC system reset functions

## System

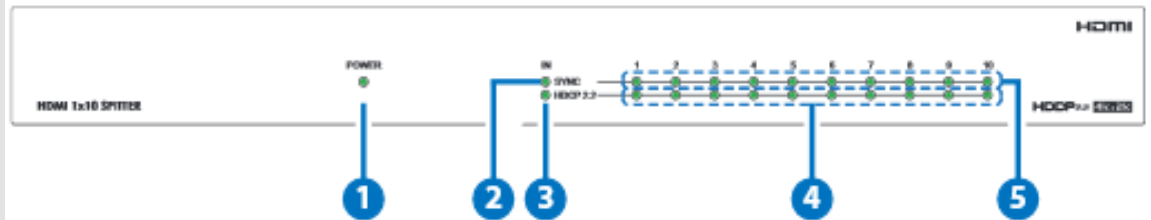
### Requirements

Input source equipment such as DVD/Blu-ray player and output HD display/Monitor with HDMI cables.



## Operation Controls and Functions

### Front Panel



#### 1. POWER LED:

This LED will illuminate in green when the device is power On.

#### 2. SYNC IN:

This LED will illuminate when the device is connected with active source signal.

#### 3. HDCP 2.2 IN:

This LED will illuminate when the input source signal is with HDCP 2.2 encrypted.

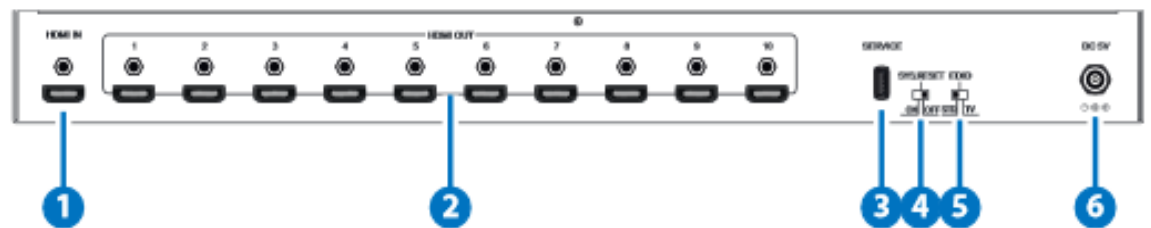
#### 4. SYNC LED 1~10:

These LEDs will illuminate when the output detect Hot-Plug Detection (HPD) from display TV/monitors.

#### 5. HDCP 2.2 LED 1~10:

These LEDs will illuminate when the output HDMI display are in the HDCP 2.2 handshaking status.

### Right Panel



#### 1. HDMI IN:

Connect from source equipment such as Blu-ray/DVD/PS3 players, Set-Top Box or any HDMI equipped source device.

#### 2. HDMI OUT 1~10:

Connect to HDMI TV/display or HD Amplifier for output video and/or audio.

#### 3. SERVICE:

This slot is reserved for firmware update use only.

#### 4. SYS. RESET ON/OFF:

Switch this switch to ON allow the device to reset the output image with the source every 10 minutes.

It will force the connected TV/display to switch its HDMI port to where the device is connected to ensure image display always.

Reset will be performed in sequence from 1~10 with 1 minute a port. Default setting is OFF, leave as it is to disable the reset function.

**Note:**

*TV/monitor must obtain CEC function in order to react accordingly.*

**5. EDID STD/TV:**

Switch this switch to set HDMI EDID's setting.

Switch to TV mode allows the device to copy HDMI OUT 1's EDID.

For example, when input source support 4K2K contents and output 1 also connected with 4K2K display. The device will send 4K2K contents to output 1~10 however, if output 2~10 are connected to non-4K2K TV/monitor then port 2~10 may have no image display therefore, to ensure all outputs obtain image display OUT 2~10's EDID must obtain the equivalent EDID to OUT 1. Switch to STD mode the EDID will support 1080p for video and PCM 2CH for audio.

**6. DC 5V:**

Connect the adaptor included in the package and connect to AC wall outlet for power supply.

**Specifications**

Video Bandwidth	300MHz / 9Gbps
Input Ports	1 x HDMI 1 x USB (Service only)
Output ports	10 x HDMI
HDMI I/O Cable	10M/1080p
Length	5M/4K2K
Power Supply	DC 5V/6A (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human Body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	436mm (W) x 165.5mm (D) x 49mm (H)
Weight	1856 g
Chassis Material	Metal
Silkscreen 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	16w



DVI/HDMI Supported Resolutions	Input	Output
640x480@60/72/75	✓	✓
720x480@60	✓	✓
720x576p@50	✓	✓
800x600@60/72/75	✓	✓
1024x768@60/70/75	✓	✓
1280x720@50/60	✓	✓
1280x720p@60	✓	✓
1280x768@60	✓	✓
1280x800@60	✓	✓
1280x1024@60	✓	✓
1360x768@60	✓	✓
1600x1200@60	✓	✓
1920x1080i@50/60	✓	✓
1920x1080i@60	✓	✓
1920x1080p@24/25/30/50/60	✓	✓
1920x1200@60(RB)	✓	✓
3840x2160@24/25/30	✓	✓
3840x2160@50/60_YUV420	✓	✓
4096x2160@24/25/30	✓	✓
4096x2160@50/60_YUV420	✓	✓

# Connection Diagram

