

# 1 Input 8 Output 4K2K HDMI 6G Splitter - # 15410



**Operation Manual**

## Introduction

The 1 by 8 HDMI Splitter with HDCP 2.2 is an advanced solution for splitting a single HDMI input to 8 HDMI outputs. It provides high performance audio and video output up to 4K2K@60Hz (YUV444) resolution and is capable of provide high end of audio and video performance. This unit also support HDR (High Dynamic Range Imaging) function, which allows giving more luminance radiance contrasting and colourful pictures for better experience. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192kHz. The System Reset function allows the unit to set the TV to its default HDMI input automatically.

## Applications

- Lecture Room/Hall Presentation
- Show Room/Demo Room
- Public Commercial Display

## Features

- HDMI 2.0 with 4Kx2K 6G supported, HDCP 2.2 and DVI compliant (Not support Deep color and Color space YCbCr 422/444)
- 1 HDMI input and 8 HDMI outputs
- System Reset function supported (CEC active source command)
- Simultaneous displays of a single Ultra High-Definition sources on up to 8 UHDTV displays
- 3D pass-through with compatible 3D source and 3D TV
- Supports UHDTV resolutions up to 4Kx2K:3840x2160@24/25/30/50/60Hz & 4096x2160 @24/25/30/50/60Hz

### Note:

When displaying HDMI 4Kx2K signal, equivalent source signal, output display and HDMI cables are required in order to secure the best image display.

- Supports pass-through of high definition audio: LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- HDCP 2.2 and HDCP 1.4 compliant
- HDMI input supports 'Standard' mode and 'TV' mode EDID settings
- HDR Pass Through supported.

### Note:

To active HDR function, input source and output device should also equip and support HDR function.

## System Requirements

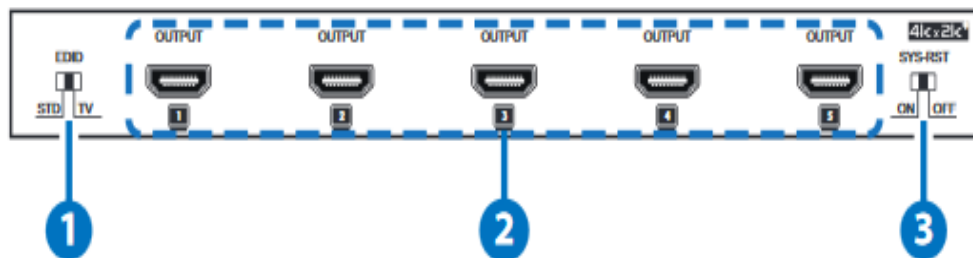
Input source equipment such as Blu-ray/DVD/PS3 player or Set-Top-Box or any 6G with HDCP2.2 source. And output with 6G HDMI TV/Display and or audio amplifier with connection cables.

Note:

To achieve 6G performance will need to collocation with particular HDMI cable to get the better quality.

## Operation Controls and Functions

### Front Panel



#### 1. EDID:

Switch the dip switch to choose EDID mode to Standard (STD) or TV mode. When on TV mode, the unit will automatically detect and store output 1 sink EDID data. Switch to STD mode, the unit will set to standard at 1080p and audio standard at PCM 2 channel.

#### 2. OUTPUT 1~5:

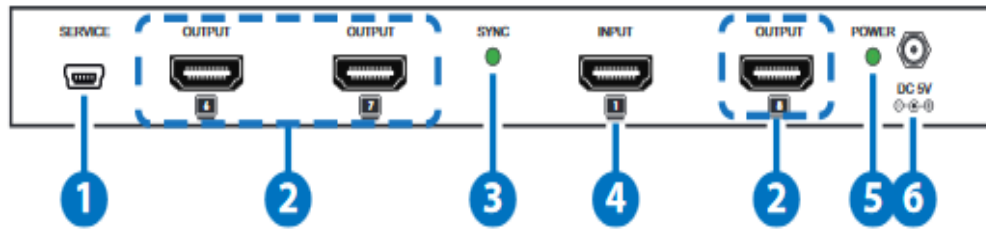
Connect to 6G HDMI TV / display or HD amplifier for output display.

#### 3. SYS-RST:

Switch the dip switch from off to on, the unit will trigger TV to its HDMI input1 immediately, when stays in on, the unit will trigger the system in every 8~10 minutes. (\*The purpose of this function is to guarantee all outputs are displaying the corresponding image.

For example, at the display side user may switch to different HDMI input or select other sources and this reset function will force the display to switch back to its HDMI input1. TV/displays shall support CEC function in order to perform this function successfully.)

## Rear Panel



### 1. SERVICE:

This is reserved for firmware update use only.

### 2. OUTPUT 6~8:

Connect to HDMI 6G TV/display or HD amplifier for output signal display.

### 3. SYNC:

When input detected, the LED will illuminate, the LED will flicker when detected abnormal, for example, when source signal not stabled. When input is not connected, the LED light will be off.

### 4. INPUT:

Connect with 6G HDMI source equipment such as Blue-ray/PS4 players and or PC/Laptop devices.

### 5. Power:

This LED will illuminate when the device is connected to an active power supply.

### 6. DC 5V:

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

## Specifications

<b>Video Bandwidth</b>	600MHz/18Gbps
<b>Input Ports</b>	1×HDMI, 1×USB (Service only)
<b>Output Ports</b>	8×HDMI
<b>Supported Resolutions</b>	VGA~WUXGA 480i~1080p@24/50/60 4K2K@24/25/30/50/60(YUV444)
<b>HDMI Cable I/O Distance</b>	5m@4K2K/60_YUV444 10m@1080p/12-bit 15m@1080p/8-bit
<b>Power Supply</b>	5VDC/3A (US/EU standards, CE/FCC/UL certified)
<b>ESD Protection</b>	Human body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
<b>Dimensions</b>	240mm (W) x 110mm (D) x 30mm (H)
<b>Weight</b>	690g
<b>Chassis Material</b>	Metal
<b>Color</b>	Black
<b>Operating Temperature</b>	0℃~40℃ / 32°~ 104°
<b>Storage Temperature</b>	20℃~60℃ / -4°~ 140°
<b>Relative Humidity</b>	20~90% RH (non-condensing)
<b>Power Consumption</b>	9.5W

**Supported  
Resolutions**

Resolutions	Input	Output
640×480@60/72/75/85	√	√
800×600@56/60/72/75/85	√	√
1024×768@60/70/75/85	√	√
1280×1024@60	√	√
1360×768@60	√	√
1366×768@60	√	√
1600×1200@60	√	√
1920×1080@60	√	√
1920×1200@60	√	√
1440×576i@50	√	√
1440×480i@59.94/60	√	√
720×480p@59.94/60	√	√
720×576p@50	√	√
1280×720p@50/59.94/60	√	√
1920×1080i@50/59.94/60	√	√
1920×1080p@23.97/24/25/29.97/30/50/59.94/60	√	√
3840×2160@24/25/30/50/60	√	√
4096×2160@24/25/30/50/60	√	√

