



# CLUX-18EU

1 by 8 HDMI Splitter



Operation Manual



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Version 1.1 August 2011

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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
VS1	25/11/11	First release
VR2	13/12/12	Testing Model



## CONTENTS

<b>1. Introduction</b> .....	<b>1</b>
<b>2. Applications</b> .....	<b>1</b>
<b>3. Package Contents</b> .....	<b>1</b>
<b>4. System Requirements</b> .....	<b>1</b>
<b>5. Features</b> .....	<b>2</b>
<b>6. Operation Controls and Functions</b> .....	<b>3</b>
6.1 Front Panel .....	3
6.2 Rear Panel.....	4
<b>7. Connection Diagram</b> .....	<b>5</b>
<b>8. Specifications</b> .....	<b>6</b>
<b>9. Acronyms</b> .....	<b>6</b>





## 1. INTRODUCTION

With eight HDMI outputs and capable of distributing 3D content the HDMI 1 by 8 splitter is a forward looking device that helps you handle futuristic technology today.

Transfer 3D content, Deep Color (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, this device does not only handle splitting and distributing but it also amplifies and equalizes the signals to provide high-performance input/output of audio and video.

Further, this device allows users to cascade up to 4 layers for extending and distributing the 1080p/8-bit signal without loss of quality or delay.

## 2. APPLICATIONS

- Display HDMI and 3D content
- Simultaneously display content on multiple screens
- Retail store/Conference/Advertising display

## 3. PACKAGE CONTENTS

- 1 by 8 HDMI Splitter
- 5V DC power supply adaptor
- Operation Manual

## 4. SYSTEM REQUIREMENTS

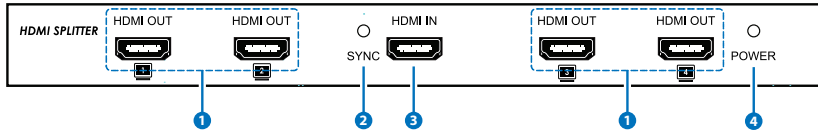
Input source with HDMI/DVI connector and output to up to 8 HDMI displays.

## 5. FEATURES

- HDMI, HDCP 1.1 and DVI 1.0 compliant receiver.
- Deep Color video up to 12-bits, 1080p@24/60Hz.
- Allows one HDMI source to simultaneously output to up to eight HDMI displays.
- HDCP keysets allows each output to work independently when connected to an HDMI display.
- Transmits an HDMI source to eight outputs without any signal loss.
- Supports DVI source/display by using an optional HDMI/DVI adaptor cable.
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32~192KHz sampling rate).
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance tested to 15m with 1080p/8-bit resolution, and 10m with 1080p/12-bit resolution.

## 6. OPERATION CONTROLS AND FUNCTIONS

### 6.1 Front Panel



#### 1 HDMI OUT 1/2/3/4

HDMI equipped displays connected to these slots will display the same content that is input from the HDMI IN slot.

#### NOTE

- A. This system was tested with 24AWG cables, the performance of this system may be different if using cables of a different specification.
- B. Cable distance tested with a Playstation 3 and 40" Samsung 12-bit LED TV (Model UA40B700).
- C. Figures provided in this manual are for reference only, actual performance may depend on the source and display being used along with the specification of the cable used.

#### 2 SYNC

The LED will turn yellow when the input signal is detected.

#### 3 HDMI IN

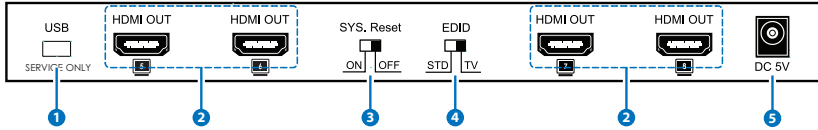
Connects to the source device such as a DVD or Blu-ray player.

#### 4 Power LED

The green LED will illuminate when the power supply is connected to the unit and plugged into the AC wall outlet.



## 6.2 Rear Panel



### 1 USB

For software update only.

### 2 HDMI OUT 5/6/7/8

HDMI equipped displays connected to these slots will display the same content that is input from the HDMI IN slot.

### 3 SYS Reset ON/OFF

This switch allows user to perform a system reset. The default setting is OFF, leave as it is when in normal use. When switched ON, the unit will perform a system reset every 8~10 minutes, in order to perform this function the displays must have CEC supported. When performed successfully, the unit will automatically switch the displays to the HDMI 1 input.

*NOTE: For the system reset function to work will not affect displays that are not CEC compatible.*

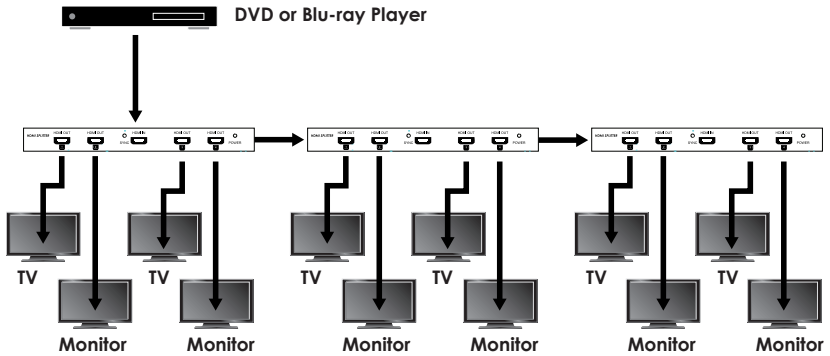
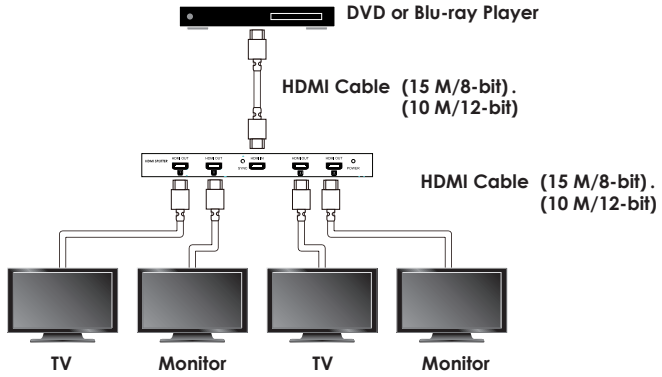
### 4 EDID Control switch

This EDID control switch determines if you are going to use the EDID from the display attached to output 1 or use an onboard EDID. When TV is selected, the EDID will attach to output 1 and will accept a 3D signal input to display on the 3D TV. When STD is selected, the EDID will become onboard EDID. The factory default setting is TV mode.

### 5 Power

Plug the 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

## 7. CONNECTION DIAGRAM



## 8. SPECIFICATIONS

<b>Video Bandwidth</b>	225 MHz/6.75 Gbps
<b>Input Port</b>	1 × HDMI
<b>Output port</b>	8 × HDMI
<b>ESD Protection</b>	Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
<b>Input/Output Resolution</b>	VGA~UXGA, 480i~1080p@60
<b>HDMI Cable In</b>	1080p/8-bits 15 m, 1080p/12-bits 10 m
<b>HDMI Cable Out</b>	1080p/8-bits 15 m, 1080p/12-bits 10 m
<b>Power Supply</b>	5 V/3 A DC (US/EU standards, CE/FCC/UL certified)
<b>Dimensions</b>	240 mm (W) × 103 mm (D) × 25 mm (H)
<b>Weight(g)</b>	225 g
<b>Chassis Material</b>	Metal
<b>Silkscreen 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>	10 W (Max)

## 9. ACRONYMS

ACRONYM	COMPLETE TERM
LED	Light-emitting Diode
HDCP	High-bandwidth Digital Content Protection
HDMI	High-definition Multimedia Interface



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