

1×8 HDMI Splitter

15355



Operation Manual

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.

Applications

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

Features

- HDMI, HDCP1.1 and DVI 1.0 compliant receiver.
- Deep Color video upto12-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

System

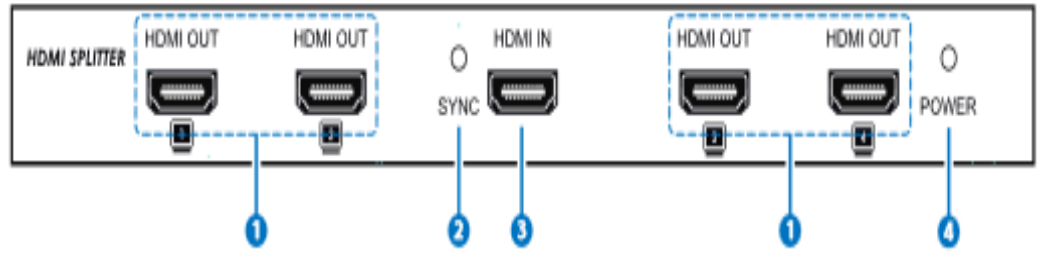
Requirements

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



Operation Controls and Functions

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.

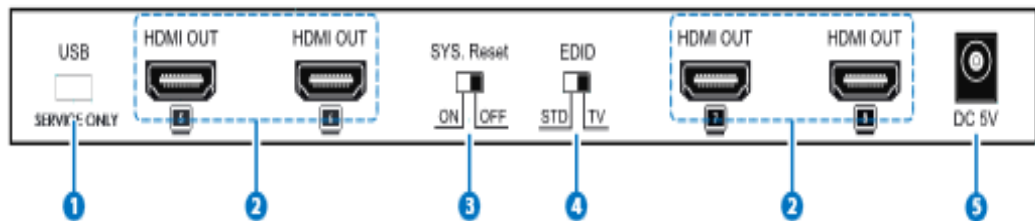
3. HDMI IN

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

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.

Specifications

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



Connection Diagram

