

# USER MANUAL

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# HDMI SWITCH SPLITTER

## Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## 1.0 INTRODUCTION

The HDMI SWITCH SPLITTER Matrix routes high definition video in multiple resolutions up to 1080p plus multichannel digital audio from any of the four HDMI sources to two displays. Two outputs give you the choices of sending high definition audio and video signals up to two displays. At the same time, when you select Output A as the output, the audio signal will be separated and transmitted to the amplifier by Stereo , Toslink or COAX (RCA).. Any four to any two matrix switching allows for maximum versatility for integrated systems. It eliminates the needing of disconnects and reconnects sources to a display equipped with one input. It works with HD-DVD players, Blue Ray DVD, PS3, and satellite set top boxes that connect to two HDMI displays. Every source is accessible at all times by any display by selecting it with an IR remote.

## 1.1 FEATURES

This HDMI Amplifier Splitter has many features that enable it to perform in a superior manner. Among those features you will find:

- Switches easily between any four HDMI sources
- Distributes any of the four inputs to any or any combination of the two HDMI output displays
- Supports audio output simultaneously : Stereo, Toslink and Coaxial
- “2CH” and “5.1CH” can be selected using Remote control for outputA. 5.1CH can be sent by Toslink and Coaxial
- Supports highest video resolution 1080p.
- Supports 225MHz/2.25Gbps per channel (6.75Gbps all channel) bandwidth.
- Supports 12bit per channel (36bit all channel) deep color.
- Supports HDCP
- Supports uncompressed audio such as LPCM.
- Supports compressed audio such as DTS Digital, Dolby Digital ( including DTS-HD and Dolby True HD ) .
- Support 3D all format, including 1080p@23.98/24Hz, 720p@59.94/60Hz/50Hz, bandwidth up to 225MHz.

## 2.0 SPECIFICATIONS

<b>Signal Inputs/Output</b>	
Input Video Signal	5 Volts p-p (TTL)
Maximum Single Link Range	1920x1080P
Output Video	HDMI
HDMI Input/Output Connector	Type A 19 pin
<b>Operating Frequency</b>	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	2.25Gbps/225MHz
<b>Resolutions(HDTV)</b>	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
<b>Mechanical</b>	
Size(L-W-H)	258mm x 112mm x 26mm
Weight(Net)	0.73KGs
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Environmental</b>	
Operating Temperature	0 °C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90 % RH (no condensation)
<b>Power Requirement</b>	
External Power Supply	5V DC@2A
Power Consumption(max)	8 W
<b>Regulatory Approvals</b>	
Converter Unit	FCC,CE,UL
Power Supply	UL,CE,FCC
<b>Accessories Adapter</b>	
AC Power Adapter	US standard, UK standard and so on
User Manual	

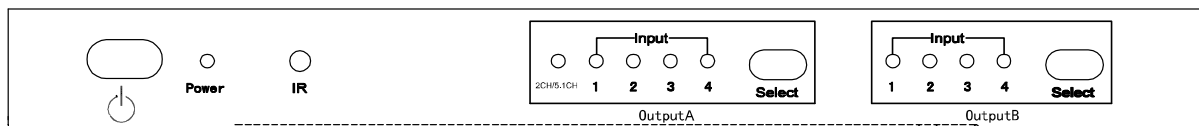
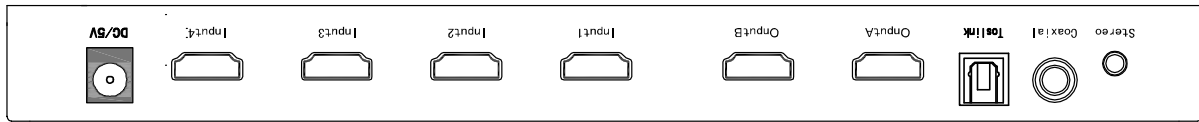
**Note: Specifications are subject to change without notice.**

## 3.0 Package Contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- 1) Main unit.
- 2) 5V DC Power Supply.
- 3) Remote Control
- 4) User's Manual.

## 4.0 PANEL DESCRIPTIONS



## 5.0 CONNECTION AND OPERATION

- 1) Connect four source devices HDMI outputs into this product
- 2) Connect this product HDMI outputs to two sink devices
- 3) Connect this product audio outputs to Amplifiers
- 4) Insert the DC side of 5v power supply into this product and then connect the AC side of the power supply into the wall outlet.

### For this product, there are different operations for your choice

- 1) Press the button POWER on the product will present a status of standby or working.
- 2) Mechanical switching.
  - The button Select A can select four sources to display on the Output A device circularly;
  - The button Select B can select four sources to display on the Output B device circularly.
- 3) Remote control
  - The Power button on the remote control can control this product.
  - The two OFF buttons can control the output A、 B separately, in order to not keep output A/B 's device working

- The button 1、2、3、4 can select source devices freely.
- The Mute button will control the Audio output from Stereo, Toslink and Coaxial
- Audio Output Select  
 “2CH” and “5.1CH” can be selected using Remote control for outputA. 5.1CH audio can be sent by Toslink and Coaxial

Note :

① Only when the source supports 5.1CH output (including CD), this function is effective and it realizes through the 2.1CH and 5.1CH buttons on the remote control. Press “2CH” button, the product outputs 2CH audio and the LED turns off; press “5.1CH” button, the product outputs 5.1CH audio and the LED turns on. When provided with power, it automatically selects 5.1CH audio output. If the source can only supports 2CH audio output, the “5.1CH” button will become invalid, that is, although you press “5.1CH” button, the product still outputs 2CH audio and the LED is still on.

② When you select source, no matter you use "Button Select" or "Remote Control Select", the interval between the last and the next Select action must be over one second in order to avoid no image output

**Attention: Insert / Extract cable gently.**

## 5.1 CONNECTION DIAGRAM

