

# 4 x 4 HDMI Matrix Switcher



User Manual

VER 1.0

## 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.

## Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

This is a high performance HDMI Matrix with four HDMI inputs & four outputs. It allows any source (Blue-Ray player, HD DVD player, satellite receiver, game system, etc.) to be shown on the any of the four displays simultaneously, and supports 4K×2K, 3D, Deep Color. With its 3Gbps bandwidth and the additional features of the latest HDMI standards you can be sure of great HDMI distribution.

## 2. Features

- ☆ HDMI 1.4b, HDCP 1.4 and DVI compliant
- ☆ Operates for TMDS clock frequencies up to 297MHz
- ☆ Video resolutions up to 4K2K@30Hz
- ☆ Allows 4 HDMI sources to be simultaneously distributed to up to 4 HDMI displays
- ☆ Supports up to 7.1 channels of High Definition audio (LPCM, Dolby TrueHD, and DTS-HD Master Audio)
- ☆ Supports up to 16 different EDID configurations
- ☆ Flexible control through on-panel buttons, IR remote control or RS-232

## 3. Package Contents

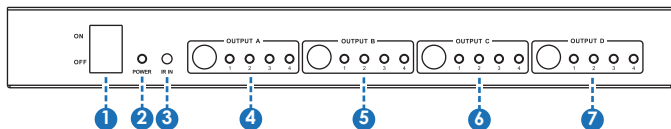
- ① 1× HDMI Matrix
- ② 1× User Manual
- ③ 1× 12V/2.5A Power Adapter
- ④ 1× Remote Control
- ⑤ 1× RS-232 Serial Cable

## 4. Specifications

Technical	
Frequency Bandwidth	297MHZ[10.2Gbps]
Input Ports	4x HDMI Type A [19-pin female] 1×RS-232 [9-pin D-sub female]
Output Ports	4x HDMI Type A [19-pin female]
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	115mm [W] x 270mm [D] x 45mm [H]
Weight	900g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/ 2.5A (US/EU standards, CE/FCC/UL certified)
Power Consumption	20W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

## 5. Operation Controls and Functions

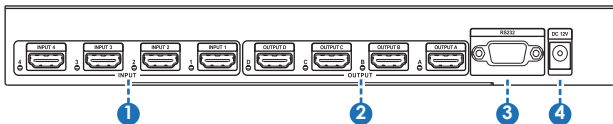
### 5.1 Front panel



Number	Name	Function description
1	ON/OFF	Power on/off switch.
2	POWER	This red LED illuminates when the device is connected with power supply.
3	IR IN	Remote control signal receive.
4	OUTPUT A	Press this button to select the input source to HDMI OUTPUT A, and this red LED illuminates when the output select to the corresponding input.

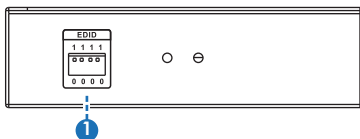
5	OUTPUT B	Press this button to select the input source to HDMI OUTPUT B, and this red LED illuminates when the output select to the corresponding input.
6	OUTPUT C	Press this button to select the input source to HDMI OUTPUT C, and this red LED illuminates when the output select to the corresponding input.
7	OUTPUT D	Press this button to select the input source to HDMI OUTPUT D, and this red LED illuminates when the output select to the corresponding input.

## 5.2 Rear panel



Number	Name	Function description
1	INPUT PORTS	LED1-4 illuminate when the HDMI signal plug in INPUT 1-4 port. INPUT 1-4 ports are where you connect the HDMI source.
2	OUTPUT PORTS	LED A-D illuminate when the TV plug in OUTPUT A-D ports.OUTPUT A-D ports are where you connect the HDTV or monitor with HDMI cable.
3	RS-232	RS-232 control port.
4	DC 12V	Plug the 12V DC power supply into the unit and connect the adaptor to AC wall outlet.

## 5.3 Side panel



Number	Name	Function description
1	EDID Selector	Select different EDID settings for 4 HDMI input ports.

### EDID Model Table:

Number	EDID Selector	Description
1	0000	Auto mode(default)
2	0001	1080I,Stereo Audio 2.0
3	0010	1080I,Dolby/DTS 5.1
4	0011	1080I,HD Audio 7.1
5	0100	1080P,Stereo Audio 2.0
6	0101	1080P,Dolby/DTS 5.1
7	0110	1080P,HD Audio 7.1
8	0111	3D,Stereo Audio 2.0
9	1000	3D,Dolby/DTS 5.1
10	1001	3D,HD Audio 7.1
11	1010	4K2K,Stereo Audio 2.0
12	1011	4K2K,Dolby/DTS 5.1
13	1100	4K2K,HD Audio 7.1
14	1101	1024x768 DVI
15	1110	1920x1080 DVI
16	1111	PC Software control mode

## 6. Remote Control



OUT A: Press 1\2\3\4 button to select input source to HDMI OUT A, and corresponding input LED is on.

OUT B: Press 1\2\3\4 button to select input source to HDMI OUT B, and corresponding input LED is on.

OUT C: Press 1\2\3\4 button to select input source to HDMI OUT C, and corresponding input LED is on.

OUT D: Press 1\2\3\4 button to select input source to HDMI OUT D, and corresponding input LED is on.

## 7. Application Example

