

HDMI MATRIX CST-2042 (3D Ultra HD 4Kx2K HDMI 4x2 Matrix)

User Manual

HDMI MATRIX CST-2042

HDMI 4x2 Matrix

(3D Ultra HD 4Kx2K with Audio Extractor)

Bring High-Definition to your life!



HDMI MATRIX CST-2042 (3D Ultra HD 4Kx2K HDMI 4x2 Matrix)

Thank you for purchasing our product. To ensure safety and many years' trouble-free operation of the product, please read the manual carefully before using this product.

1.0 INTRODUCTION

HDMI Matrix is a perfect matrix product with detached external audio output ports, which can connect 4 different HDMI signal sources and 2 displays. It can easily switch any 1 or 2 of 4 input signals to 2 displays by using remote control or pushing button. The output signals can be same or different. By using this product can avoid the need to disconnect and reconnect signal sources to displays frequently. It can smartly select input signal sources with priority order and jump over those input signal sources which are not in work. It can optimize your home theatre system to the best effect.

2.0 FEATURES

1. When its 4 input ports are separately connected to 4 signal sources with HDMI cables, the HDMI Matrix automatically recognizes the last connected port and switches its input signal to 2 displays.
2. The needed input signal sources must be selected by using remote control or pushing button in order to make 2 displays showing 2 different signals.
3. Support HDMI 1.4, HDCP1.4;
4. Support high resolutions up to 4Kx2K, including 480i/p, 576i/p, 720i/p, 1080i and 1080p, 3840x2160@25/30Hz.
5. Switch easily between any 4 HDMI sources.
6. Support ARC and Audio Extractor(Output A);
7. The 2 displays can get the same or different signals without mutual interaction.
8. Connected easily to dual-channel audio receiver device.
9. Support DVI device with DVI to HDMI adapter.
10. Plug-and-play and no need of setting.
11. Metal casing design and overall shielding without signal interference.
12. Use remote control or push button to freely select input source.
13. LED indicates signal /power mode.

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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.HDMI 4X2 Matrix -----1PCS
- 2.DC 5V Power adapter-----1PCS
- 3.Remote control-----1PCS
- 4.User Manual-----1PCS

4.0 TECHNICAL PARAMETERS

HDMI Source Input Port	4
Display Device Output Port	2
Audio Output port	SPDIFx1, Stereox1
Source Port Connector	HDMI 19PIN
Display Device Port Connector	HDMI 19PIN
HDCP Compliant	YES
Single Link Range	3840x2160
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 Volts P-P(TTL)
Deep Color	36bit
HDMI Version	HDMI1.4
Bandwidth	Up to 340Mhz
Signal Speed	Up to 10.2Gbps
The length of input cable	PS3 \leq 15M; BLUE DVD \leq 15M
The length of output cable	\leq 25M
The cable standard	26AWG HDMI1.4
Vertical Frequency Range	30Hz
Power Consumption(max.)	6.5Watts
Operation Temperature	0°C-70°C
Working Voltage	DC 5V
Power Adaptor	5V 2A
Net Weight	1.08kg
Dimension: L*W*H(mm)	201*93*25

Explanation: With different brands of the input or output device, the length of the connecting cables will differ too.

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5.0 PANEL DESCRIPTIONS

Please study the panel drawings below and become familiar with the signal input(s), output(s) and power requirements.



EDID -----EDID Setting Switch
Toslink -----SPDIF Digital Audio Output
R/L -----Stereo Analog Audio Output
Status/ARC -----ARC Switch
IR -----IR Receiver Port
B1-B4 -----Output B Port Status
OUT B -----Output B Select
A1-A4 -----Output A Output Status
OUT A -----Output A Select
PWR -----Power Status
ON/OFF -----Power Switch



DC/5V -----Power Input Port
INPUT 1-INPUT 4 -----Input 1-4 Ports
OUTPUT B -----Output B Port
OUTPUT A -----Output A Port

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6.0 CONNECTION DIAGRAM



The pictures and technical parameter involved are only for your reference,
As for specific circumstances, please be subject to the actual product.

7.0 EDID Selector: Select HDMI output signal format via EDID Selector.

Number	EDID Selector	Description
1	0000	1080P, Audio 2.0
2	0001	1080P,Dolby/DTS 5.1
3	0010	1080P,HD Audio 7.1
4	0011	3D 1080P,Audio 2.0
5	0100	3D 1080P,Dolby/DTS 5.1
6	0101	3D 1080P,HD Audio 7.1
7	0110	4Kx2K@30Hz,Audio2.0
8	0111	4Kx2K@30Hz,Dolby/DTS 5.1
9	1000	4Kx2K@30Hz,HD Audio 7.1
10	1001	4Kx2K@60Hz,4:2:0,Audio 2.0
11	1010	4Kx2K@60Hz,4:2:0,Dolby/DTS 5.1
12	1011	4Kx2K@60Hz,4:2:0,HD Audio 7.1
13	1100	Copy EDID from HDMI Out A
14	1101	Copy EDID from HDMI Out B
15	1110	Auto,compare Out A and Out B
16	1111	PC control mode