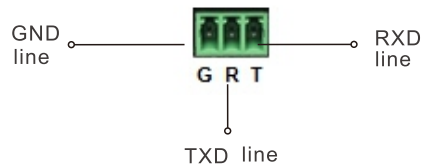2. RS232 control

1) It supports RS232 control to select the input and output channel, the baud rate is 9600, and the connector is a 3-pin terminal post.

2) When you do connection for RS232 port, please follow the figure as below:

GND line   RXD line
G R T
TXD line

However, if the RS232 serial does not working by following above connection, please try to change the order of TXD line and RXD line with each other.

3) After connection, and before you using the RS232 control software Matrix_En.exe, please set COM firstly, and then to set the input and output channel.

• **FAQ**

Q: No video/audio signal output on the displays?

A: 1) Please check and make sure the Matrix Switch is connected well and powered on.

2) Please check and make sure all HDMI cables are connected well

3) Please check and make sure the input channel of displays are correct.

Q: Picture quality is not fluent and stable ?

A: 1) Please check and make sure all HDMI cables are connected well.

2) Try to connect the source device to display device directly, or change to another source device for a try to see the picture quality.

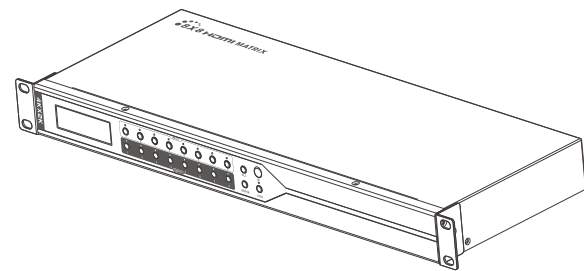3) Please use high quality HDMI1.4 standard cable when HDMI 4Kx2K signal input.

• **Specification**

Items	Specification
HDMI signal	HDMI1.4, Full compatible with HDCP1.4
Inputs	8 HDMI
Outputs	8 HDMI
Transmission rate	10.2Gbps
Support resolution	480i@60Hz,480p@60Hz,576i@50Hz,576p@50Hz,720p@50/60Hz,1080i@50/60Hz,1080p@50/60Hz,4Kx2K@25/30Hz
Support audio format	DTS-HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD
YUV	4:2:2
Video signal	0.5~ 1.5Vp-p(TM DS)
DDC signal	5Vp-p(TTL)
Video bandwidth	340MHZ
HDMI port	Type A 19 pin, female
RS232	RS232 serial control
Working temperature	0℃ ~ 60℃
Working Humidity	0 ~ 90% (no condensation)
Power supply	DC12V/3A
Power consumption	27W(Max)
Product dimension	482.45(L)X179.60(W)X44.40(H)mm
Weight	2.07Kg
Color	Black

8×8 HDMI Matrix Switch

User Manual

4Kx2K

Disclaimer

The product name and brand name may be registered trademark of related manufacturers.TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products.We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

• Important Safety Notice

Please read below safety instructions carefully before installation and operation:
* Please pay attention to all the warnings and hints on this device.
* Do not expose this unit to rain, moisture and liquid.
* Do not put any stuff into the device.
* Do not repaire the device or open the enclosure without professional person guidence to avoid electronic shock.
* Make sure good ventilation openings to avoid product overheating damage.
* Turn off power and make sure environment is safe before installation.
* Do not plug-in/out the connection cables when it is in using to avoid cables damage.
* Use DC12V/3A only. Make sure the specification matched if using 3rd party DC adapters.
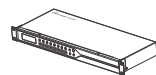
• Introduction

This product is a 8×8 HDMI Matrix Switch, with 8 HDMI inputs and 8 HDMI outputs. 8 HDMI inputs accommodate the simultaneous connection up to 8 high definition video sources, such as satellite systems and Blu-ray players. 8 HDMI outputs send the high definition audio/video signals to 8 HDTV displays. This Matrix Switch supports IR remote control and button control for switching inputs and outputs. This product is perfect for security system, digital monitoring system, school education system, exhibition center, multimedia conference, command system etc.

• Features

1. Support 8 HDMI signal input and 8 HDMI signal output.
2. Support resolution up to 4K×2K@30Hz.
3. Transmission data rate up to 10.2Gbps.
4. Support IR remote control.
5. Support RS232 control.
6. Support 3D.
7. Pure hardware design, plug and play.
8. Support button control for switching inputs/outputs.

• Package Contents

Matrix Switch unit ×1pcs DC12V3A power adapter ×1pcs User manual ×1pcs

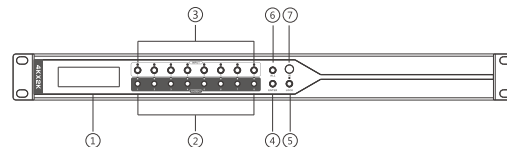Remote Controller ×1pcs RS232 serial port cap ×1pcs Wall-mount kit x2pcs

• Installation Requirement

1. HDMI source device (DVD, PS3, Set top box, PC etc)
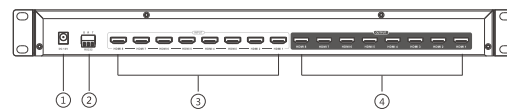2. HDMI display device like SDTV, HDTV, and projector with HDMI port.

• Panel Description

Front Panel

①	LED	Display input/ output channel parameters
②	Output button	To choose output channel
③	Input button	To choose input channel
④	ENTER button	Confirm the selected input channel
⑤	LOCK button	Press this button, the indicator light is on, the input / output selection button has no effect, and then press the indicator light once again to exit the locking function
⑥	ALL button	Select all the output channel
⑦	IR receiver window	Receive IR signal

Back Panel

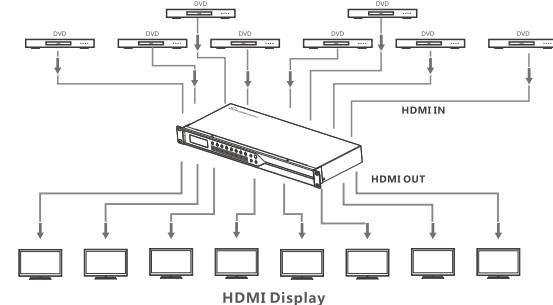| ①	Power input	Connect with DC12V/3A power adapter
②	RS232	RS232 control
③	HDMI input	Connect with HDMI source device
④	HDMI output	Connect with HDMI display device

• Remote Controller

This remote controller is just used for inputs or outputs switched/selected.

• Connections

1. Connection Drawing

HDMI Display

1) Connect all your HDMI source devices to this product's inputs via HDMI cables.
2) Connect up to the HD display devices on the HDMI outputs via HDMI cables.
3) Power on all source device, this Matrix Switch and display device, then it works.
4) Select/switch inputs and outputs via IR remote , buttons or RS232 command.