



USER MANUAL

4K HDMI Matrix 8x8 JHM29/8X8

Enjoy vivid video world

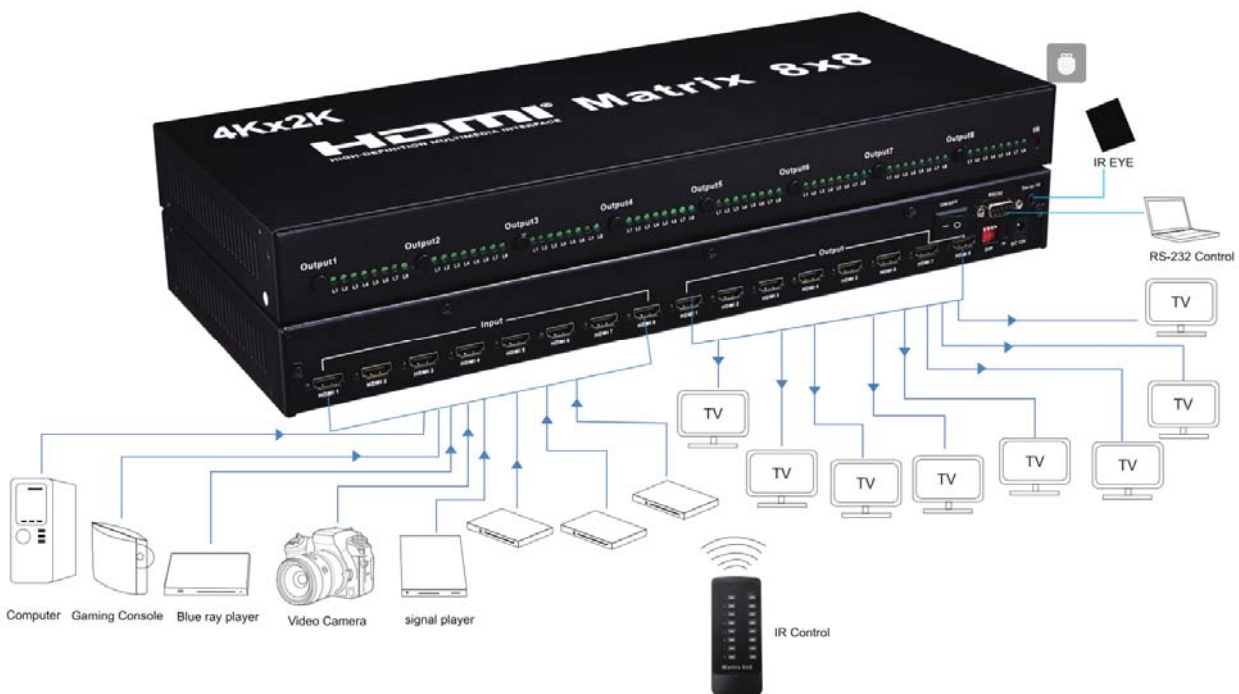
Dear customer

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.

Our series of HDMI converters, switches, extenders, matrixes and splitters are designed to make your A/V device use more convenient ,more comfortable, more productive and more cost-efficient.

The 4K HDMI Matrix 8x8 can connect eight HDMI signal sources with the eight displays at the same time.It can easily and freely split or switch eight hdmi signals on eight displays or projectors which compatible with hdmi signal.

Our devices offer solutions for the place limited by noise、 transmission distance and safety, data center control, information distribution, conference room presentation, school and corporate training environments.



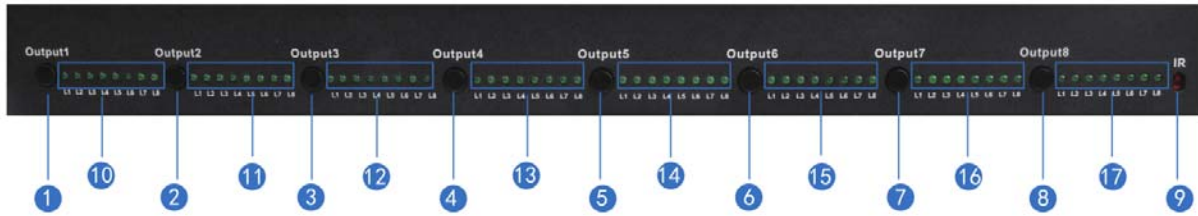
Features :

- Eight HDMI signals input to be independently distributed or switched to eight displays which support HDMI signal input
- Support HDMI 1.4b and HDCP1.4
- Support 8/10/12/16 bit deep colour
- Support max resolution 3840x2160@30Hz
- Support audio format DTS-HD/Dolby-trueHD/LPCM7.1/DTS/DOLBY-AC3/DSD
- Support signal timing reset
- Support AWG26 HDMI standard cable, input up to 8 meters,output up to 8 meters
- Input ports can be controlled by IR
- Via RS-232 control,for PC control and upgrading the software
- 12V/5A External Power Supply

Physical Interface Diagram:



- : HDMI 1—HDMI 8 input
- : HDMI 1—HDMI 8 output
- : Power switch
- : Serial port RS232
- : Serial IR: Used for the machine infrared remote control
- : DIP: dial switch to switch software for upgrading
- : IR : used for the IR remote control of this machine
- : DC 12V : DC12V/5A power



- : Output1: the key of HDMI output 1
- : Output2: the key of HDMI output 2
- : Output3: the key of HDMI output 3
- : Output4: the key of HDMI output 4
- : Output5: the key of HDMI output 5
- : Output6: the key of HDMI output 6
- : Output7: the key of HDMI output 7
- : Output8: the key of HDMI output 8
- IR: Infrared receiver
- Input signal Indicator L1----L8

IR REMOTE CONTROL:

①

②

③



- ① toggle input forward
- ② toggle input backward
- ③ Output ports number

8x8 Matrix supports IR remote control, there are 8 groups of control buttons on the panel for switching control of the 8 output ports. ① ② used for circulating forward or backward to next input.

Specification:

HDMI resolution.....	24/50/60fs/2160P/1080p/1080i/720p/576p/576i/480p/480i
Support audio color format	8/10/12/16bit
Support audio format.....	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
Max baud rate.....	3.4Gbps
Input and output TMDS signal.....	0.5~1.5Volts p-p
Input and output DDC signal.....	5Volts p-p (TTL)
Input cable distance.....	≤8m AWG26 HDMI standard cable
Output cable distance.....	≤8m AWG26 HDMI standard cable
Max working current.....	3.6A
Power adapter format	Input:AC(50HZ, 60HZ) 100V-240V;output: DC12V/5A
Operating Temperature range.....	(-15□ to +55□)
Working humidity range.....	5 to 90%RH (No Condensation)
Dimension (L x W x H).....	435*184*16 (mm)
Weight.....	1944g

Operating and Connecting

§1 Connect HDMI cable from HDMI source device into HDMI matrix input port

§2 Connect HDMI cable from HDMI matrix output port into display

§3 Connect 12V External power adapter to the HDMI matrix

§4 the customer can switch the input signal to corresponding output port via the button on front panel.

§5 How to use RS-232 port?

Through RS - 232 port you can update software and monitor the state of the input and output signals. And can switch signals. When connect the computer, the customer can easily switch the signals via computer.

Notes:

Please use correctly and maintenance properly, to ensure product performance and work properly

1. Should Stay away from damp, high temperature, dusty, corrosion and oxidation gas environment in order to avoid damage.
2. All parts should avoid strong vibration, no collision、tapping and dropping fall, to avoid damage.
3. Do not touch the unit power adapter plugs with wet hand.
4. Unplug the adapter plug from the power socket, please hold the plug, don't pull the power cord.
5. please turn off the power supply when not use the machine(unplug the power adapter plug when not use for a long time).
6. Please do not open the machine cover, do not touch any device in the machine.
7. Please use the power adapter provided or approved by the manufacturer.

Pls Check the connecting cable carefully before the power on, Must ensure all interface are right connected.Common fault diagnosis and processing method is as follows:

No.	fault phenomenon	Reason and solution
1	No electricity	1.Check that if power plug is properly inserted into the power outlet 2.Check that if the power is on.
2	No image	1.Confirm television has been turned on and is connected to the machine. 2.Whether the input signal source open and connect in good condition. 3.Check the connection state of the system. 4.Check whether the cable is in good condition. 5.Cable quality (HDMI cables is required to conform to the HDMI standard).
3	Image blurring	1.reconnect the port, in case of poor connection of socket interface 2.cable quality (HDMI cables is required to conform to the HDMI standard).
4	Remote control	1.Check that if the remote battery insulation slices were taken out 2.Whether the remote is with batteries

The Package includes:

1. HDMI Matrix
2. IR Remote Control
3. IR Receiver cable
4. 12V DC Power adapter
5. User Manual