

# HDMI MATRIX 4x4 (4K2K@60Hz) (ER2681M44)



## Introduction

This 4x4 HDMI2.0 Matrix Switch supports resolution up to 4K x 2K @ 60Hz, with 4HDMI inputs and 4 HDMI outputs. 4 HDMI inputs accommodate the simultaneous connection up to 4 high-definition video sources, such as satellite systems and Blu-ray players. 4 HDMI outputs send the high-definition A/V signals to 4 ultra-HD displays. This Matrix Switch supports IR remote control, button control and RS232 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

- 4 HDMI inputs and 4 HDMI outputs: The device allows you to connect to 4 HDMI devices and distribute/switch their signals to any four displays.
- True matrix functionality: The device can switch any one of the four inputs to either of the four outputs. This allows you to use multiple sources with multiple displays, giving you more flexibility in your setup.
- Splitter functionality: The device can also work as a splitter, allowing you to show the same source on four displays simultaneously.
- 3D and 4K support: The device supports 3D HDMI and 4K x 2K @60Hz, which allows for high-quality video output and a more immersive viewing experience.
- Transmission data rate up to 18Gbps.
- Support IR remote and button control for switching inputs/outputs.
- Supports RS232 control.
- Supports YUV 4:4:4
- Pure hardware design, plug and play.

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## Specifications

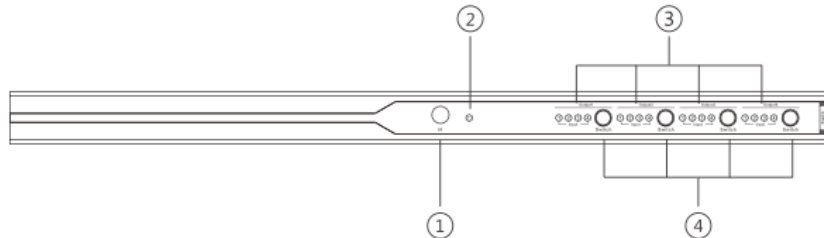
Brand	EIRA
SKU Code	ER2681M44
Item Name	HDMI Matrix 4 x 4 (4K2K@60Hz)
Input Ports	HDMI X 4
Output Ports	HDMI X 4
HDMI Signal	HDMI 2.0, Full compatible with HDCP2.2
Transmission rate	18Gbps
HDMI resolution supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080P@50/60Hz, 3840x2160@25/30/60Hz
Audio Format Supported	DTS-HD/ Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD
YUV	4:04:04
Video Signal	0.5~1.5Vp-p (TM DS)
DDC Signal	5Vp-p (TTL)
Video Bandwidth	600MHz
HDMI Port	Type-A 19 pin, Female
RS232 Port	9 pin serial port seat
Working temperature	0 ~ 60°
Working Humidity	0 ~ 90% (no condensation)
Power Supply	DC12V/2A
Power Consumption	<20W
Dimension	429.8 (L) x 170.7 (W) x 28 (H) mm
Net weight	1.65 kg
Colour	Black

## **Note:**

1. It requires that HDMI source (DVD, STP etc.), HDMI cable and output display device all can support 4Kx2K resolution if users need to output 4KX2K signal.
2. Do not plug and unplug HDMI cable or other cables while working.
3. Select the right HDMI input channel for displays.

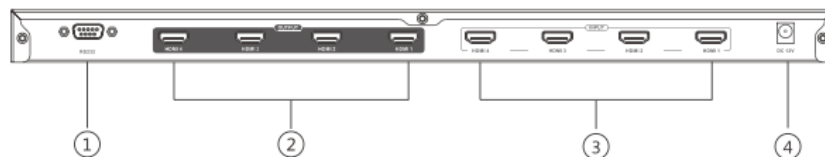
## Panel Description

### Front Panel



①	IR receiver window	Receive IR signal
②	Power indicator	LED indicator turn on when power on
③	Output select indicator	Display corresponding input channel
④	Output button	To choose input channel

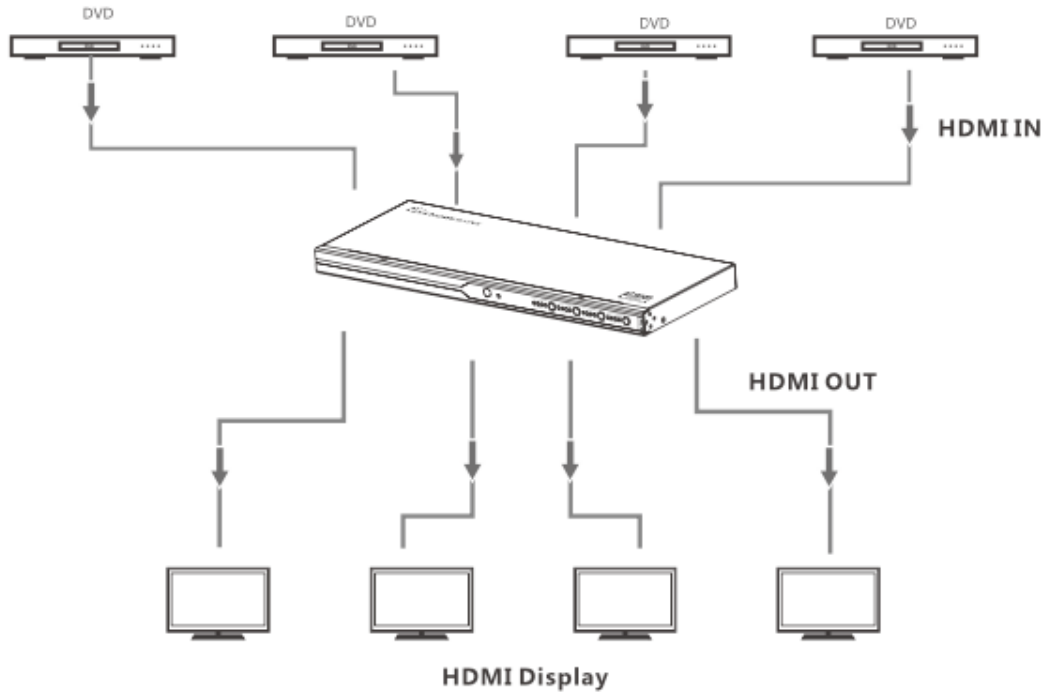
### Back Panel



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

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## Connection



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