

4K HDMI 4x2 Matrix

MVM-AH42-42Q 4 Inputs, 2 Outputs



The ENFORCER 4K HDMI 4x2 Matrix can switch 4 HDMI sources to 2 HDMI displays. It supports up to 4K2K@60Hz YCbCr 4:4:4 and HDCP 2.2 and can extract HDMI source audio to optical and analog L/R output. It can downscale to 1080p for displays that cannot display 4K. It supports ARC and EDID over 18Gbps bandwidth and can be controlled by buttons on the front or with an included remote control.

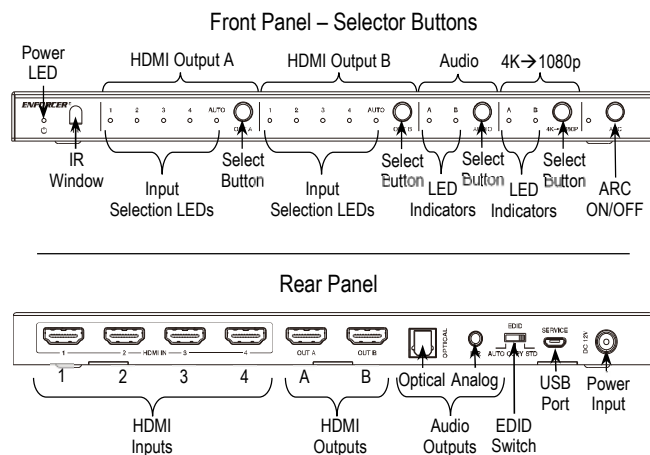


Features

- 4 HDMI inputs and 2 HDMI outputs – each output can display any of the four sources
- Supports 4K2K@50/60Hz (YCbCr 4:4:4), 4K2K@30Hz, all HDMI 3D formats and more
- Supports 18Gbps video bandwidth, uncompressed
- Both outputs can downscale to 1080p if needed
- Supports HDR10+, Dolby Vision, and HLG
- Supports advanced EDID management, including AUTO, COPY, and STD
- Supports Audio Return Channel (ARC)
- Easy control via front buttons or included remote control



Overview



Specifications

Input video signal	3.3V
Video formats supported	HDMI 2.0, HDCP
Audio formats supported	PCM 2.0/5.1/7.1, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTX-96/24, DTS High Res, DTS HD Master, DSD
Output video	HDMI
Resolutions supported	Up to 4K2K@50/60Hz (YCbCr 4:4:4), 4K2K@30Hz, all HDMI 3D, etc.
Video amplifier bandwidth	18Gbps
Video connector	Input: HDMI Type A 19-pin female Output: HDMI Type A 19-pin female
Maximum cable length	Input: 26ft (8m) Output: 9.8ft (3m)
Operating voltage	12VDC
Power supply	1A@12VDC Power adapter
ESD protection (human body model)	±8kV (air-gap discharge), ±4kV (contact discharge)
Current draw	320mA@12VDC
Operating humidity	20~90% (non-condensing)
Operating temperature	32°~104° F (0°~40° C)
Dimensions	9 7/8" x 1 3/16" x 4 1/8" (251x20x105 mm)
Weight (each)	1-lb 6-oz (620g)

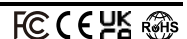
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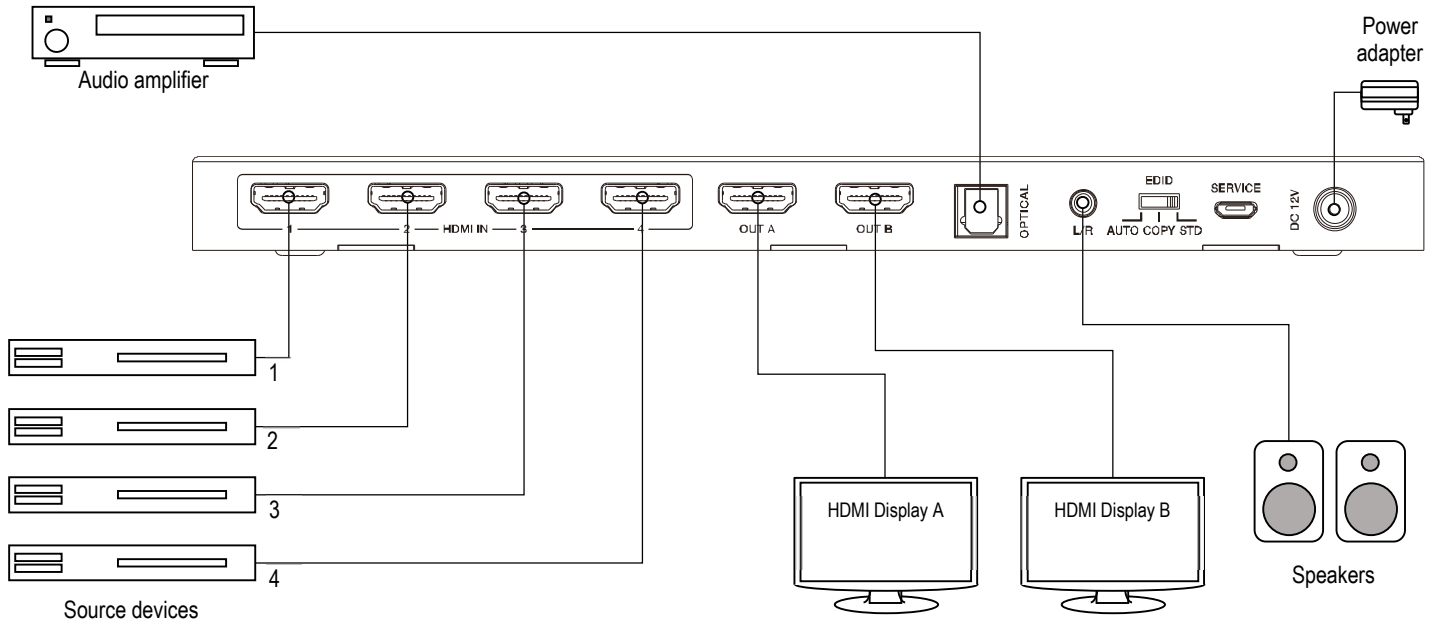
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Sample Application



NOTE: The micro-USB port is provided for potential future firmware updates.