MH844A

4K UHD 4x4 Matrix with Audio Output



This 4K UHD 4 by 4 Matrix provides the ability to connect up to four 4K UHD HDMI sources to up to four 4K UHD HDMI displays and freely switch between them. This unit comes with full support for 18Gbps (600Mhz) resolutions up to, and including 4K@60Hz (4:4:4, 8-bit) as well as support for 16-bit Deep Color, HDR (High Dynamic Range), HD audio and other features defined by the HDMI 2.0 specification. With a comprehensive EDID management feature that includes the ability to select between built in default EDID, EDID copied from connected sink devices, as well as a configurable EDID, this matrix can solve many interconnectivity problems. The built in OSD has the ability to display user editable general information text so each output can display up to 2 lines of customized text on top of the video source in the color of your choice. This unit provides an intuitive set of front panel controls with an OSD as well as RS-232, telnet, WebGUI, and IR remote control options.

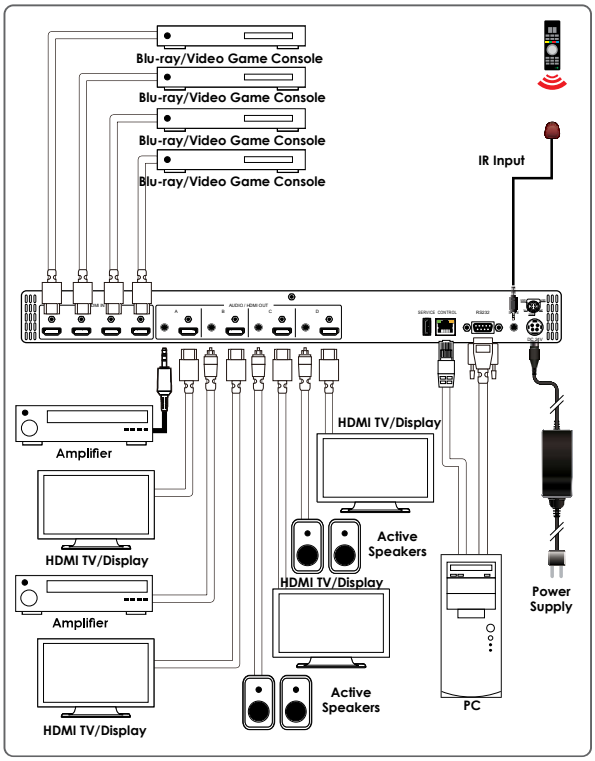
PANELS



Front View

Rear View

DIAGRAM



FEATURES

- HDMI input and output with 18Gbps (600MHz) 4K UHD support
- DVI 1.0 compliant with the use of an HDMI-DVI adaptor
- Supports HD resolutions up to 3840x2160@60 Hz (YUV 4:4:4, 8-bit) & 4096x2160@60 Hz (YUV 4:4:4, 8-bit)
- Supports 16-bit Deep Color up to 1080p60
- Supports pass-through of LPCM 7.1, bitstream and HD bitstream audio formats
- Supports six internal EDIDs, four external EDIDs copied from connected devices, and four user provided EDIDs
- OSD with user customizable information text
- Intuitive control interface including telnet, WebGUI, OSD, IR remote and RS-232
- Easy firmware update via USB thumb drive in field

SPECIFICATIONS

Interfaces		
Input Port	4 HDMI	
Output Port	4 HDMI 4 Stereo Audio (3.5mm)	
Service Port	1 USB	
Control Port	1 Control 1 RS-232	

Video		
HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.2	
Input Signal Types	4K@60 8-bit YUV 4:4:4, HDR 10	
Output Signal Types	4K@60 8-bit YUV 4:4:4, HDR 10	
		Resolutions
Maximum Input	HDMI	4096×2160p@60
Maximum Output	HDMI	4096×2160p@60

Audio	
Digital Formats	HDMI 7.1 CH LPCM, Bitstream, HD Bitstream

Power	
Power Supply	24V/2.7A
Power Consumption	34w

Enclosure	
Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions (W×H×D)	438mm×49mm×269mm [Case Only] 482mm×49mm×274mm [All Inclusive]
Weight	2,990 g

Field Firmware Update
USB Flash Drive, WebGUI