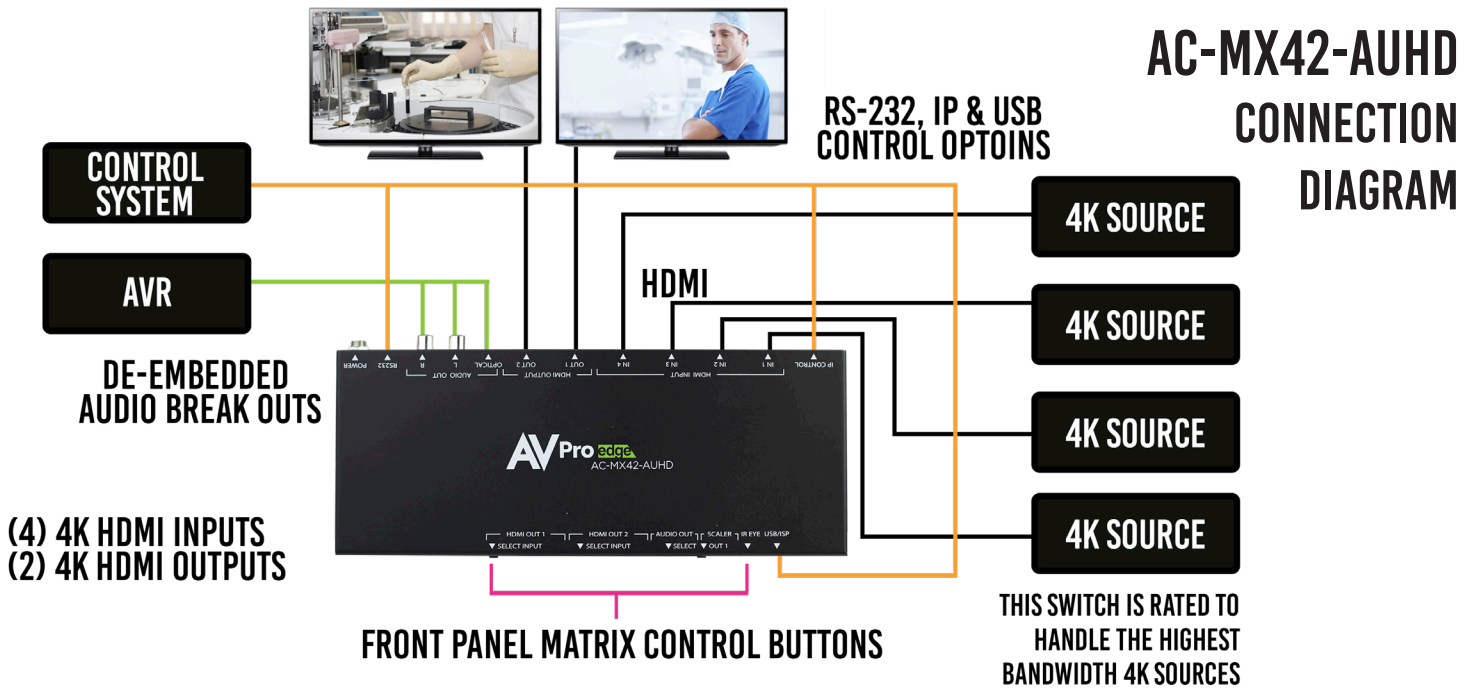# AVProedge

HDR

HDMI HDCP™
HIGH-DEFINITION MULTIMEDIA INTERFACE   HIGH-BANDWIDTH DIGITAL CONTENT PROTECTION

18Gbps 4K60 (4:4:4)
4x2 MATRIX SWITCH
AC-MX42-AUHD

IDEAL FOR OVERCOMING AVR ISSUES. THE AC-MX42-AUHD IS A TRUE 4x2 HDMI MATRIX SWITCH. SUPPORTING HDMI 2.0(A/B), HDCP 2.2, UP TO 4K VIDEO RESOLUTION, AND UP TO 18Gbps BANDWIDTH. OPTIMAL FOR BYPASSING AVR'S THAT DO NOT SUPPORT FULL 18Gbps, BYPASS UNCOMPRESSED HDMI TO THE DISPLAY WHILE RUNNING DOWN-SCALED VIDEO INTO A LEGACY AVR. ONLY VIDEO IS REDUCED AND AUDIO REMAINS UNTOUCHED, MAKING IT AN IDEAL COMPONENT FOR SYSTEMS WHERE HIGH BIT RATE AUDIO IS CRITICAL.

This switch allows *any* source (Blu-ray, UHD Blu-ray, satellite receiver, game consoles, PCs, etc.) to be shown on *any* of the connected displays. This matrix equalizes and amplifies the output to ensure the HDMI signal can be transmitted through long HDMI cables without loss of quality. A conference room all-star, the auto-switching feature makes this unit an ideal, affordable, component for any conference room system. Perfect for feeding a video signal into a video conferencing codec with very little setup. This is an excellent solution for digital entertainment centers, HDTV retail, show sites, data centers, schools, conference and training centers and more!

AC-MX42-AUHD CONNECTION DIAGRAM

RS-232, IP & USB CONTROL OPTOINS

CONTROL SYSTEM

AVR

DE-EMBEDDED AUDIO BREAK OUTS

HDMI

4K SOURCE

4K SOURCE

4K SOURCE

4K SOURCE

(4) 4K HDMI INPUTS
(2) 4K HDMI OUTPUTS

FRONT PANEL MATRIX CONTROL BUTTONS

THIS SWITCH IS RATED TO HANDLE THE HIGHEST BANDWIDTH 4K SOURCES

AVPro edge

IN THE BOX:
- AC-MX42-AUHD (Matrix Switch)
- Operating Instructions
- 5V/2A Locking Power Supply
- 1 x IR Remote Control
- 1 x 3 Pin Terminal Connector (For RS232)
- Mounting Ears

18Gbps TRUE 4K60 (4:4:4) 4x2 MATRIX & AUTO SWITCH/AVR BYPASS

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support
- 4K60 (4:4:4) Support
- Full HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.2 (and all earlier versions supported)
- 4K > 1080p Down Scaler (Out 1)
- Perfect AVR Bypass deliver 18Gbps to Display and uncompressed audio to AVR
- Advanced EDID Management
- IR, RS-232 and LAN Control Options
- Digital Toslink Out (7CH PCM, DD, DD+, DTS, DTS-MA)
- Balanced Analog Out (2CH PCM)
- Down-scaling mode for mixed systems! (More below)
- Driver Support for Crestron, C4, RTI, ELAN and more
- Extracted Audio Supports DD+, DTS Master Audio on Toslink
- Extracted Audio bound to output 1 or 2

PRODUCT SPECIFICATIONS	
VIDEO	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160) 5K (UP TO 5120X3200)
HDR FORMATS/RESOLUTIONS	420, 422, 444 (10 AND 12 DEEP COLOR) HDR10, HDR10+, DOLBY VISION, HLG
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPELING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080), UP TO 12 BIT (4K)
AUDIO	
AUDIO FORMATS SUPPORTED (HDMI)	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGTAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK)	PCM 2 Cн, LPCM 6 Cн, LPCM 7 Cн, Dolby Digital, Dolby Digital Plus, DTS-HD Master Audio
AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)	PCM 2 CH
AUDIO EXTRACTION LOCATION	FOLLOWS OUTPUT (SELECTABLE)
DISTANCE	
HDMI IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI IN/OUT (W/ AOC CABLE) (4K60 4:4:4)	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER	
BANDWIDTH	18 Gbps
HDCP	HDCP 2.2 AND EARLIER
CONTROL	
PORTS	LAN, RS232, IR WINDOW
LAN WebOS	YES
PORTS	
HDMI	TYPE A
LAN	RJ45 W/ WEB INTERFACE/CONTROL
AUDIO (EXTRACTED DIGITAL)	TOSLINK
AUDIO (EXTRACTED ANALOG)	L/R AUDIO
IR RX	WINDOW ONLY (REMOTE INCLUDED)
RS232	3 PIN TERMINAL BLOCK
ENVIRONMENTAL	
OPERATING TEMPRATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER	
POWER CONSUMPTION (TOTAL)	7 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 5V 2A
DIMENSIONS	
DIMENSIONS (UNIT ONLY HEIGHT/DEPTH/WIDTH)	MM: 20.5 X 94 X 232.98 INCH: .9 X 3.7 X 9.17
DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)	MM: 76.2 X 184.1 X 317.5 INCH: 3 X 7.25 X 12.5
RACK UNITS	TABLE TOP - OR MOUNTING EARS
WEIGHT (UNIT)	2 LBS/.9 KG
WEIGHT (PACKAGED)	5 LBS/2.26 KG

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE.