



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

8K60 & 4K120 4x2 MATRIX SWITCH AC-MX-42X

The AC-MX-42X is a four input by dual output HDMI matrix switch. It supports HDMI 2.1, HDCP 2.3, and up to 8K video resolution with 40Gbps bandwidth capacity. This matrix switcher is perfect for working with the latest gaming consoles, streaming devices, and satellite receivers, connecting them to 8K TVs and projectors. In addition, this matrix equalizes and amplifies the output to ensure HDMI signals will transmit through long HDMI cables without loss of quality.

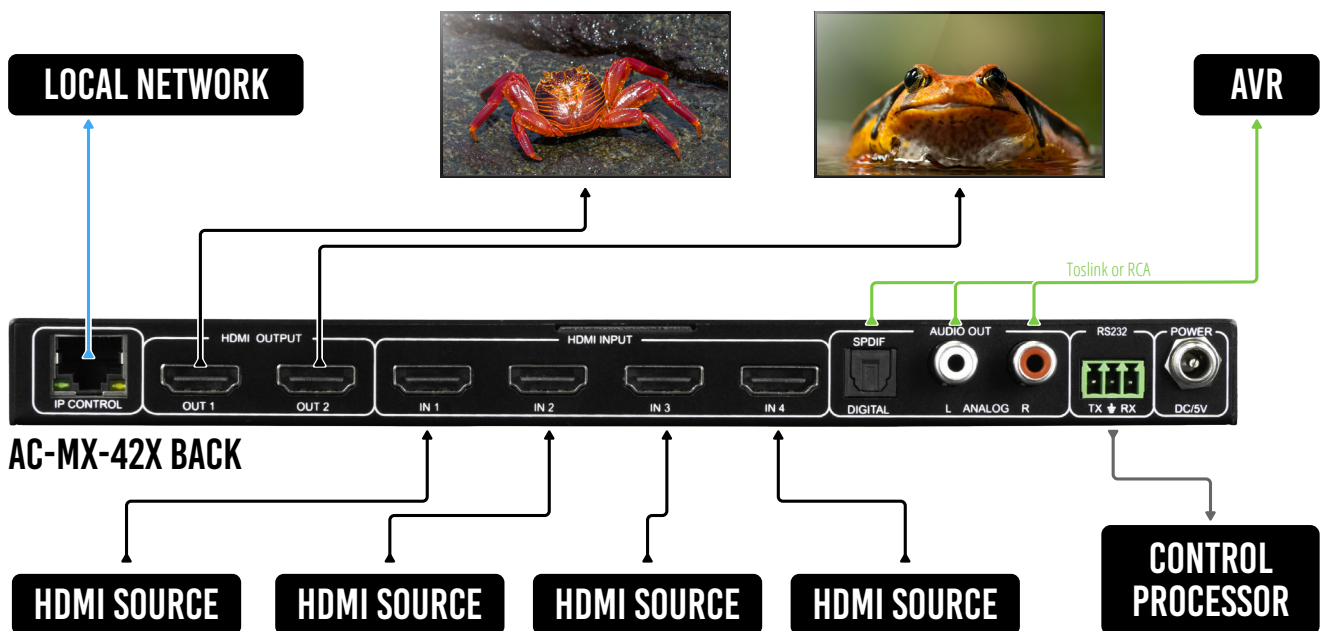


Our best developers have been hard at work bringing our integrators an easy-to-use web based user interface that allows them to set up, troubleshoot, and control this 8K 4x2. The AVPro Edge user interface (AEUI) allows for easy configuration and sets up the 8K 4x2. This 8K matrix switcher also comes with a screen on the unit that can tell you the IP address for connecting directly to your control system. From built-in scaling to complete EDID control and configuring, you can customize every aspect of this device to work perfectly for your system.

AVPro edge
 AC-MX-42X

CONNECTION DIAGRAM

HDMI	—
ETHERNET	—
AUDIO	—
CONTROL	—



PRODUCT SPECIFICATIONS

VIDEO:

VIDEO RESOLUTIONS	UP TO 8K 60HZ 4:2:0/8K 30HZ 4:4:4/4K 120
SMPT/CTA/DCI RESOLUTIONS	UP TO 4K120HZ 4:4:4/8K60HZ 4:2:0
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS	HDR10, HDR10+, HLG, DV, DYNAMIC HDR
CHROMA SUPPORTED	4:2:0, 4:2:2, 4:4:4
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
DEEP COLOR	UP TO 16 BIT (1080P), UP TO 12 BIT (4K), UP TO 10 BIT (8K)

AUDIO:

HDMI BITSTREAM	LPCM UP TO 7.1 192 KHZ 24BIT, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DOLBY MAT, DOLBY TRUEHD, DOLBY ATMOS (ALL FORMATS), DOLBY AC-4, DTS DIGITAL, DTS DISCRETE, DTS EXPRESS, DTS HIRES AUDIO, DTS MASTER AUDIO, DTS:X
EXTRACTED AUDIO (SPDIF TOSLINK)	LPCM UP TO 5.1 96KHZ 24 BIT, DOLBY DIGITAL 5.1, DTS HIRES AUDIO
EXTRACTED AUDIO (STEREO RCA)	PCM 2 CH
EXTRACTED AUDIO MODES	BIND TO OUTPUT

DISTANCE:

HDMI IN/OUT (FRL5)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI IN/OUT (W/ AOC CABLE) (FRL5)	UP TO 130 FEET (USING BULLET TRAIN AOC)

OTHER:

BANDWIDTH	40GBPS (FRL 5)
HDCP	1.4, 2.X SUPPORT

CONTROL:

PORTS	LAN, RS232, IR WINDOW
DRIVERS	C4, RTI, ELAN, CRESTRON, URC (FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERS)
AVPRO WEBUI	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 TEMPERATURE	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
WEIGHT (UNIT)	1 LBS (0.45 KG)
WEIGHT (PACKAGED)	1.8 LBS (0.82 KG)

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

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IN THE BOX:

- AC-MX-42X (Matrix Switch)
- Operating Instructions
- 5V/2A Locking Power Supply
- 1 x IR Remote Control
- 1 x 3 Pin Terminal Connector (For RS232)
- Mounting Ears



40GBPS 8K60 & 4K120 4X2 MATRIX SWITCHER

- HDMI 2.1
- FRL (5)
- HDCP 2.3
- 40Gbps Bandwidth Support
- 8K60 4:2:0 Support 4K resolutions at 120 frames per second
- 8K resolutions at 60 frames per second
- Full HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.3 (and all earlier versions supported)
- 8K > 1080p Down Scaler (Out 2)
- Perfect AVR Bypass deliver 40Gbps to Display and uncompressed audio to AVR
- Advanced EDID Management
- IR, RS-232 and LAN Control Options
- Digital Toslink Out (7CH PCM, DD, DTS)
- Balanced Analog Out (2CH PCM)
- Down-scaling mode for mixed systems
- 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