



# ConferX™

## 4x2 & 6x2 Matrix Switchers

**(AC-CX42-AUHD & AC-CX62-AUHD)**

A Classroom/Conference Room Matrix Switcher with both HDMI and HDBaseT inputs and outputs.





## Conference Room/Classroom Matrix Switchers

1 HDBaseT input, 1 HDBaseT output, Plus HDMI inputs and outs, Audio extraction, Line in/Microphone in.

- HDMI 2.0 auto sensing/switching Inputs
- 4K60 Through HDMI, 4K30 through HDBaseT
- Advanced EDID Management
- Works with 3<sup>rd</sup> Party Control
- Can Power Phantom Mic



# HDBaseT Inputs

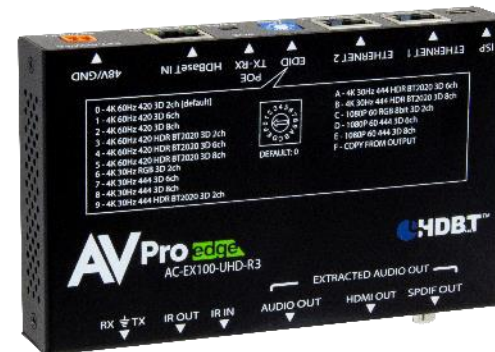
Built to be used with ConferX Wall Plates. This so you can spec in VGA, mini DisplayPort or USB-C inputs into your installation. This also allows you to install an input up to 100 meters away from your Matrix Switcher, keeping your installation clean and sleek.





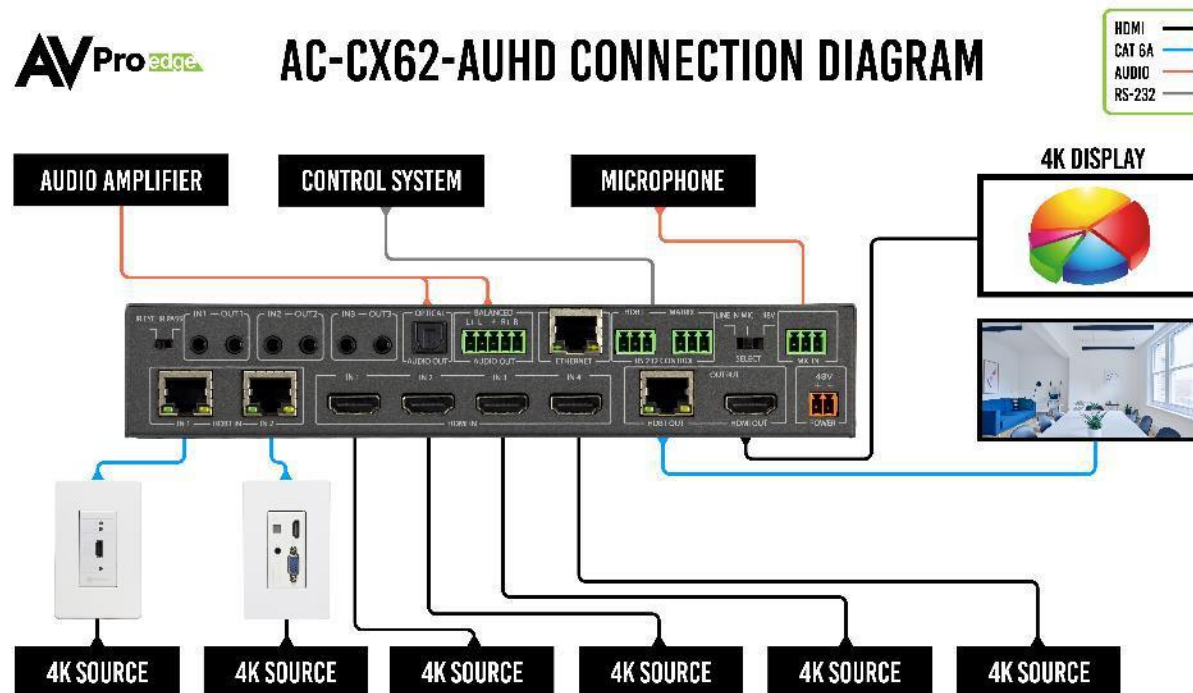
# HDBaseT Output

Built to be used with ConferX Wall Plates. This so you can spec in VGA, mini DisplayPort or USB-C inputs into your installation. This also allows you to install an input up to 100 meters away from your Matrix Switcher, keeping your installation clean and sleek.



# Auto Sensing

**Auto Sensing:** This Matrix switcher is designed to be a "Set it & forget it" piece of hardware. When the user plugs in their device, this switch can sense the signal and makes it active input.



# Advanced EDID Management

Advanced EDID Management is a stock feature on the ConferX 6x2 and 4x2 Matrix Switchers. This allows you to override the EDID's coming from the display and give the source an EDID that you choose.

The screenshot shows a web interface for 'Advanced EDID Management'. It has three main sections: 'Audio Routing' with 'OUT1' and 'OUT2' buttons; 'Test Pattern' with 'OUT1' and 'OUT2' each having 'ON' and 'OFF' buttons; and 'EDID Manager' with a table of inputs (IN1-IN6) and their corresponding EDID settings, each with an 'Apply' button.

IN	EDID	Apply
IN1	4K60Hz 3D 2CH HDR	Apply
IN2	4K60Hz 3D 2CH HDR	Apply
IN3	4K60Hz 3D 2CH HDR	Apply
IN4	4K60Hz 3D 2CH HDR	Apply
IN5	4K60Hz 3D 2CH HDR	Apply
IN6	4K60Hz 3D 2CH HDR	Apply

1080P_2CH(PCM)	4K60Hz_3D_2CH	4K60Hz(Y420)_3D_2CH(PCM)_HDR
1080P_6CH	4K60Hz_3D_6CH	4K60Hz(Y420)_3D_6CH_HDR
1080P_8CH	4K60Hz_3D_8CH	4K60Hz(Y420)_3D_8CH_HDR
1080P_3D_2CH(PCM)	1080P_2CH(PCM)_HDR	4K60Hz_3D_2CH(PCM)_HDR
1080P_3D_6CH	1080P_6CH_HDR	4K60Hz_3D_6CH_HDR
1080P_3D_8CH	1080P_8CH_HDR	4K60Hz_3D_8CH_HDR
4K30Hz_3D_2CH(PCM)	1080P_3D_2CH(PCM)_HDR	USER1_EDID
4K30Hz_3D_6CH	1080P_3D_6CH_HDR	USER2_EDID
4K30Hz_3D_8CH	1080P_3D_8CH_HDR	USER3_EDID
4K60Hz(Y420)_3D_2CH(PCM)	4K30Hz_3D_2CH(PCM)_HDR	Copy From OUT1
4K60Hz(Y420)_3D_6CH	4K30Hz_3D_6CH_HDR	Copy From OUT2
4K60Hz(Y420)_3D_8CH	4K30Hz_3D_8CH_HDR	

# 10-Year Warranty

AVPro Edge offers a 10-Year advanced replacement no B.S. warranty. This will give you as the integrator and the customer peace of mind knowing that you have installed a product built to last.





# Where do these Fit?

- **Conference/Huddle Room** configurations where many source types can be used, like computers, players, etc...
- **Presentation Halls:** This unit extends HDMI up to 100M (330FT) for long distance type scenarios using it's HDBaseT input and output.
- **Classroom:** Switch between sharing a students laptop and the teachers presentation or lesson.
- **Non Technical Scenarios:** This device is auto sensing, so the end-user has ZERO configuration, this is the perfect transmitter anywhere non-technical users will access the system.



# Compatible Products

AC-CX100-RAMP – Universal Amplifier and HDBaseT Receiver

<https://www.avproedge.com/ac-cx100-ramp.html>

HDBaseT Transmitters and Receivers & ConferX WallPlate Transmitters

<https://www.avproedge.com/extenderfamily.html>



# Need More Information?

Never hesitate to give us a call at 605-274-6055, we are always happy to clarify any questions you may have.

[www.avproedge.com](http://www.avproedge.com)

[info@avproedge.com](mailto:info@avproedge.com)

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:2:0 & 4K30 4:4:4
VESA RESOLUTIONS	UP TO 2560X2048 (QSXGA)
HDR FORMATS/RESOLUTIONS	4K24 4:2:2 12 BIT, 4K24 4:2:0 10 BIT
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPLING	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 DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK)	PCM 2.0 CH, LPCM 6CH, LPCM 7CH, DOLBY DIGITAL, DOLBY DIGITAL PLUS, DTS MASTER AUDIO
AUDIO FORMATS SUPPORTED EXTRACTED (2CH)	PCM 2CH
DISTANCE:	
HDMI LEAD IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI LEAD IN/OUT (W/ AOC CABLE) (4K60 4:4:4)	UP TO 2130 FEET (USING BULLET TRAIN AOC)
HDBASET (CAT) DISTANCE 1080P	100M (330 FEET) (WITH CAT 6A/7)
HDBASET (CAT) DISTANCE 4K & HDR	70M (230 FEET) (WITH CAT6A/7)
OTHER:	
BANDWIDTH (HDMI)	18 GBPS
BANDWIDTH (HDBT)	10.2 GBPS (18GBPS W/1CT AND AC-EX70-444-RNE)
HDCP	HDCP 2.2 AND EARLIER
PORTS:	
HDMI (INPUT)	TYPE A
HDBASET (INPUT)	RJ45
AUDIO (EXTRACTED DIGITAL)	TOSLINK
AUDIO (EXTRACTED ANALOG)	BALANCED L/R AUDIO (5 PIN TERMINAL BLOCK)
IR	3.5MM IR IN/OUT AND IR WINDOW ON THE FRONT
RS232	3 PIN TERMINAL BLOCK
CONTROL:	
PORTS	LAN, RS232, IR WINDOW
LAN WEBS	YES
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)	12 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 0.5A
DIMENSIONS:	
DIMENSIONS (UNIT ONLY LENGTH/DEPTH/HEIGHT)	MM: 220.7 X 158.8 X 41.4 INCH: 8.69 X 6.25 X 1.63
DIMENSIONS (PACKAGED LENGTH/DEPTH/HEIGHT)	MM: 397 X 222 X 95.3 INCH: 15.63 X 8.75 X 3.75
WEIGHT (PACKAGED)	3.8 LBS (1.72 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	