AC-CX42-AUHD & AC-CX62-AUHD

CONFERX CLASSROOM/CONFERENCE ROOM MATRIX SWITCHERS

QUICK START GUIDE

THE AC-CX42-AUHD/AC-CX62-AUHD IS A HDMI/HDBT MATRIX SWITCHER. SUPPORTING HDMI 2.0(A/B), HDCP 2.2, UP TO 4K VIDEO RESOLUTION, AND UP TO 18 GBPS BANDWIDTH(18GBPS THROUGH HDMI PORTS ONLY). THIS SWITCH ALLOWS ANY SOURCE TO BE SHOWN ON ANY OF THE CONNECTED DISPLAYS. THIS MATRIX FEATURES A HDBT INPUT(S) AND AN HDBT OUTPUT FOR VIDEO, RS232, AND IR EXTENSION UP TO 100M (330FT). CONFERENCE ROOM ALL-STAR. THE AUTO-SWITCHING FEATURE MAKES THIS UNIT AN IDEAL, AFFORDABLE, COMPONENT FOR ANY CONFERENCE ROOM SYSTEM. IDEAL FOR FEEDING A VIDEO SIGNAL INTO A VIDEO CONFERENCING CODEC WITH VERY LITTLE SETUP. THIS IS AN IDEAL SOLUTION FOR DIGITAL ENTERTAINMENT CENTERS, HDTV RETAIL, SHOW SITES, DATA CENTERS, SCHOOLS, CONFERENCE AND TRAINING CENTERS AND MORE!

THIS QUICK START GUIDE WILL BE GOING THROUGH:

- INSTALLATION
- FRONT/REAR PANEL CONTROL
- EDID MANAGEMENT
- IR & RS-232 CONTROL
- LAN CONTROL
- TROUBLESHOOTING

QUICK INSTALLATION:

1. CONNECT THE HDMI/HDBT INPUT SOURCES (PC, WALL PLATE, ETC...) TO THE AC-CX42-AUHD/AC-CX62-AUHD.

2. CONNECT THE HDMI/HDBT OUTPUT DEVICES (DISPLAY, DISTRIBUTION AMPLIFIER, PROJECTOR, RECEIVER) TO THE AC-CX42-AUHD/AC-CX62-AUHD.

3. POWER ON THE SOURCES.

4. CONNECT THE POWER SUPPLY INTO THE AC-CX42-AUHD/AC-CX62-AUHD.

5. TURN ON OUTPUT DEVICES/DISPLAYS.

6. USE THE FRONT PANEL CONTROLS, SUPPLIED IR REMOTE OR FREE LAN (IP: 192.168.001.239) TO CONTROL THE MATRIX.

FRONT PANEL CONTROL AND COMMANDS:
BUTTONS:
1. "HDBT OUTPUT SELECT" BUTTON - TOGGLES THE ACTIVE SOURCE FOR HDBT OUTPUT
2. "HDMI OUTPUT SELECT" BUTTON- TOGGLES THE ACTIVE SOURCE FOR HDMI OUTPUT

BUTTON COMMANDS:

BUTTON COMMANDS:
ENABLE/DISABLE "AUTO-SWITCHING" - SIMPLY PRESS & HOLD THE OUTPUT SELECT BUTTON FOR 4 SECONDS TO TOGGLE "AUTO-SWITCHING"

1. WHEN THE LED IS FLASHING "AUTO-SWITCHING" IS ENABLED.
2. YOU CAN ENABLE ONLY ONE OUTPUT TO AUTO SWITCH, OR BOTH - WHEN BOTH ARE ENABLED, THEY WILL BE MIRRORED.

• EDID IS IDEALLY SET FROM THE WEB INTERFACE, BUT CAN BE SET FROM THE FRONT PANEL (WILL BE WALKED THROUGH LATER IN THE GUIDE)

HDBT OUTPUT SELECT   HDMI OUTPUT SELECT

CONTROLLING THE MATRIX
WEB INTERFACE

TO CONNECT TO THE MATRIX SWITCH AND ACCESS THE WEB INTERFACE:
1. CONNECT THE LAN PORT ON THE REAR OF THE MATRIX SWITCH INTO AN ACTIVE ACCESS POINT OR ROUTER
2. MAKE SURE YOUR COMPUTER IS ON THE SAME NETWORK
3. OPEN ANY WEB BROWSER AND TYPE IN THE IP ADDRESS OF THE MATRIX SWITCH. *NOTE
- THE DEFAULT IP ADDRESS IS: 192.168.001.239

WEB INTERFACE CONTINUED

USE THIS AREA TO ROUTE INPUTS TO OUTPUTS

VIDEO SCALER MODE:
THIS WILL SET THE SCALER MODE FOR HDBT OUTPUT, THE OPTIONS ARE
•BP = BYPASS - SCALER IS DISABLED (DEFAULT)
•4K-2K = 1080P - IF INCOMING SIGNAL IS 4K, IT WILL BE DOWNSCALED TO 1080P OR 1900X1200 DEPENDING ON THE INPUT FORMAT.

AUDIO STATUS:
ENABLE OR DISABLE EXTRACTED AUDIO, THE OPTIONS ARE:
•ON = EXTRACTED AUDIO PORTS ARE ON (DEFAULT)
•OFF= EXTRACTED AUDIO PORTS ARE MUTED.

AUDIO BINDING:
BIND THE AUDIO TO A SPECIFIC OUTPUT. THE AUDIO WILL ALWAYS FOLLOW ONE OUTPUT, THIS MEANS THE AUDIO SWITCHES WITH THE VIDEO OF THE OUTPUT YOU DESIGNATE, THE OPTIONS ARE:
•OUTPUT 1 = EXTRACTED AUDIO WILL FOLLOW HDBT OUTPUT (DEFAULT)
•OUTPUT 2 = EXTRACTED AUDIO WILL FOLLOW OUTPUT 2

TEST PATTERN:
GENERATE A 1080P TEST PATTERN TO A SPECIFIC OUTPUT.
•OUT1 = GENERATE A TEST PATTERN ON HDBT OUTPUT
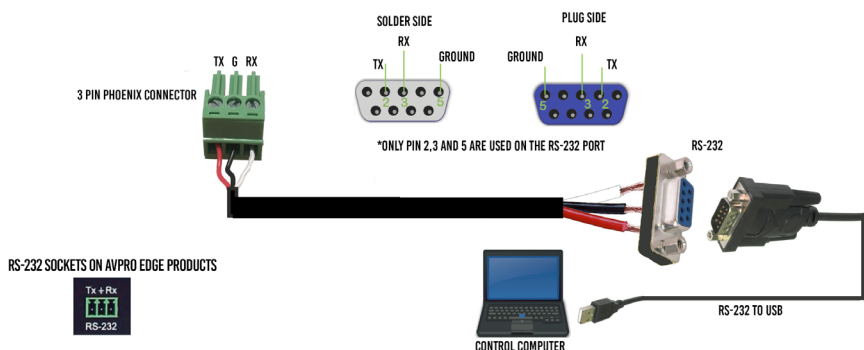•OUT 2= GENERATE A TEST PATTERN ON HDMI OUTPUT

IR CONTROL: FOR IR CONTROL THERE IS AN IR WINDOW ON THE FRONT FACE OF THE DEVICE.

RS-232 CONTROL:

IN ORDER TO CONNECT YOUR COMPUTER TO THE SWTICH BY RS-232 YOU NEED TO MAKE YOUR OWN CABLE WITH ONE END A PHOENIX CONNECTOR AND THE OTHER END A RS-232 PORT. YOUR COMPUTER DOESN'T HAVE A RS-232 INPUT, GET A USB CONVERTER (AS SHOWN BELOW), AND PLUG THE USB END INTO ANY COMPUTER

EDID MANAGEMENT:

THE BEST/EASIEST WAY TO SETUP EDID'S IS TO USE THE WEB INTERFACE. HOWEVER, WE KNOW THAT MAY NOT ALWAYS BE AN OPTION. SINCE THERE IS NO SCREEN ON THE DEVICE, YOU WILL HAVE TO RELY ON THE LED'S TO COMPLETE EDID SETUP. PLEASE FOLLOW THE STEPS BELOW (THIS MIGHT TAKE ONE OR TWO TRIES TO GET USED TOO.)

1. PRESS AND HOLD BOTH "HDBT OUTPUT" AND "HDMI OUTPUT" BUTTONS FOR 5 SECONDS.
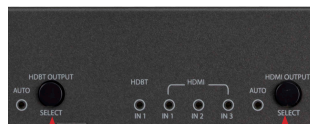   A. ALL LED FLASH ONE TIME. YOU ARE NOW IN EDID MANAGEMENT STATE.
2. IN THE EDID MANAGEMENT STATE, PRESS THE "HDBT OUTPUT" BUTTON TO TOGGLE TO THE INPUT YOU WANT TO SET THE EDID FOR. (1=IN1, 2=IN2, 3=IN3, 4=IN4)
3. PRESS THE "HDMI OUTPUT" BUTTON TO TOGGLE THROUGH THE EDID INDEX.

4. ONCE YOU LAND ON THE EDID YOU WANT TO USE, PRESS AND HOLD THE "HDMI OUTPUT" BUTTON FOR 3 SECONDS. ALL LEDS WILL FLASH ONE TIME INDICATING SUCCESS
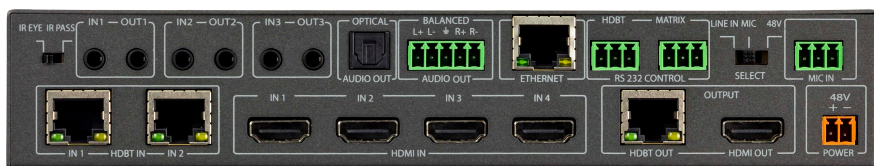5. NOTE: WHEN IN THE EDID MANAGEMENT STATE, IF YOU ARE INACTIVE FOR 10 SECONDS IT WILL RETURN TO THE NORMAL STATE AUTOMATICALLY. ALL LEDS FLASH ONE TIME.
6. NOTE 2: WE HAVE A VIDEO AVAILABLE ONLINE OR UPON REQUEST IF DESIRED. CONTACT US OR REQUEST AT SUPPORT.AVPROEDGE.COM

THE EDID OPTIONS ARE:

1. 1080P_2CH
2. 1080P_6CH
3. 1080P_8CH
4. 1080P_3D_2CH
5. 1080P_3D_6CH
6. 1080P_3D_8CH
7. 4K30HZ_3D_2CH
8. 4K30HZ_3D_6CH
9. 4K30HZ_3D_8CH
10. 4K60HZY420_3D_2CH
11. 4K60HZY420_3D_6CH
12. 4K60HZY420_3D_8CH
13. 4K60HZ_3D_2CH
14. 4K60HZ_3D_6CH
15. 4K60HZ_3D_8CH
16. 1080P_2CH_HDR

17. 1080P_6CH_HDR
18. 1080P_8CH_HDR
19. 1080P_3D_2CH_HDR
20. 1080P_3D_6CH_HDR
21. 1080P_3D_8CH_HDR
22. 4K30HZ_3D_2CH_HDR
23. 4K30HZ_3D_6CH_HDR
24. 4K30HZ_3D_8CH_HDR
25. 4K60HZY420_3D_2CH_HDR
26. 4K60HZY420_3D_6CH_HDR
27. 4K60HZY420_3D_8CH_HDR
28. 4K60HZ_3D_2CH_HDR
29. 4K60HZ_3D_6CH_HDR
30. 4K60HZ_3D_8CH_HDR
31. USER EDID 1
32. USER EDID 2
33. USER EDID 3

BACK PANEL:

IR PORTS

USED FOR IR EXTENSION OVER HDBT. CHOOSE IR INPUT TYPE USING THE DIPSWITCH ON THE BACK OF THE UNIT (INSERT PIC OF DIPSWITCH).
IR EYE = IR FROM REMOTE/EMITTER
IR PASS = IR DIRECT FROM CONTROL SYSTEM
IR CAN BE ROUTED. BY DEFAULT, THE SWITCH COMES IN:
IN1/OUT1 = BOUND TO HDBT INPUT
IN2/OUT2 = BOUND TO HDBT OUTPUT

MIC IN

ALLOWS FOR A MIC TO BE INJECTED INTO THE EXTRACTED AUDIO OUTPUTS (SHOW PIC). SELECT MICROPHONE TYPE BY USING THE DIPSWITCH LOCATED NEXT TO THE INPUT.
LINE IN = LINE LEVEL INPUT (PC, PHONE, ETC..)
MIC = MICROPHONE INPUT FOR DYNAMIC MICROPHONES
48V = MICROPHONE INPUT FOR CONDENSER MICROPHONES. PROVIDES 48V PHANTOM POWER.

TROUBLESHOOTING

(WE RECOMMEND EVERY INTEGRATOR HAS A FOX AND HOUND TESTING AND TROUBLE-SHOOTING KIT TO ENSURE QUALITY HDMI CONNECTION)

VERIFY POWER - THE LEDS ON THE FRONT OF THE MATRIX SHOULD BE LIT UP WHEN POWER IS APPLIED. CHECK POWER SUPPLY CONNECTIONS TO DEVICE AND POWER

VERIFY CONNECTIONS - CHECK ALL CABLES ARE PROPERLY CONNECTED

ISSUES WITH ONE INPUT/OUTPUT- SWAP PORTS TO SEE IF THE ISSUE STAYS WITH THE PORT OR WITH THE DEVICE
- FOLLOWS THE DEVICE, THEN IT MAY BE AN EDID ISSUE. DEFAULT OUT OF THE BOX IS

A 1080P 2CH. TRY ANOTHER CANNED EDID
- TRY \ANOTHER CANNED EDID OR USE THE COPY FROM OUTX COMMAND TO COPY THE

ISSUES WITH 4K BUT 1080 OR LESS WORKING
- VERIFY ALL CONNECTED DEVICES ARE CAPABLE OF THE SIGNAL YOU ARE SENDING

HAVE A QUESTION OR NEED ASSISTANCE? DON'T HESITATE TO CONTACT US!

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USA TOLL FREE: 877-886-5112
EMAIL: SUPPORT@AVPROEDGE.COM

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