AC-MX1616-AUHD

QUICK START GUIDE

THE AC-MX1616-AUHD IS A TRUE HIGH BANDWIDTH POWERHOUSE. SUPPORTING THE FULL HDMI 2.0A/B SPECIFICATION AND SUPPORTING EVERY FLAVOR OF HDR, THIS MATRIX WILL ENSURE YOU CAN GET THE MOST OUT OF ANY SYSTEM.   THIS UNIT SUPPORTS UNCOMPRESSED HDR FORMATS INCLUDING HDR, HDR10, HDR10+, DOLBY VISION, HLG, BBC AND NHK. ALL OF THEM ARE SUPPORTED IN UP TO 4K 60HZ AND UP TO 12 BIT DEEP COLOR. ALL COLOR SPACE COMPRESSION IS COMPATIBLE.

THIS QUICK START GUIDE WILL BE GOING THROUGH:
- INSTALL
- FRONT PANNEL CONTROL
- SWITCHING
- EDID MANAGEMENT
- NETWROK SETTINGS
- TROUBLESHOOTING

INSTALLATION
1.CONNECT THE HDMI INPUT SOURCES (BLU-RAY, SET TOP BOX, ETC...) TO THE AC-MX1616-AUHD
2.CONNECT THE HDMI OUTPUT DEVICES (DISPLAY, DISTRIBUTION AMPLIFIER, EXTENDER) TO THE AC-MX1616-AUHD
3.POWER ON THE SOURCES
4.CONNECT THE POWER SUPPLY'S INTO THE AC-MX1616-AUHD(YOU NEED TO PLUG IN BOTH SUPPLY'S)
5.TURN ON OUTPUT DEVICES/DISPLAYS6.YOU MAY NOW USE THE FRONT PANEL CONTROLS, SUPPLIED IR REMOTE OR FREE PC SOFTWARE TO CONTROL THE SWITCH.

FULL MATRIX CONTROL IS AVAILABLE ON THE INTERNAL WEBOS - SIMPLY PLUG THE MATRIX INTO THE NETWORK AND PUNCH IN THE DEFAULT IP (192.168.1.239) OR USE DHCP TO CONNECT TO A FULL CONTROL SYSTEM! THE WEBOS IS DESIGNED WITH MOBILE DEVICES IN MIND, SO FEEL FREE TO USE YOU PHONE OR TABLET FOR REAL-TIME CONTROL. THE FOUR INPUTS.
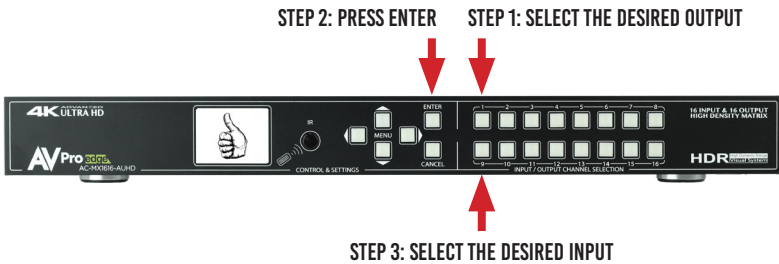
FRONT PANEL CONTROL

MAKE SETUP A BREEZE! THE FRONT PANEL ALLOWS YOU TO DO BASIC SETUP INCLUDING; EDID, AUDIO, MATRIXING AND NETWORK. ALL WITHOUT CONNECTING A PC OR HOOKING ANYTHING UP. THIS ADDITIONAL MODE OF CONTROL IS A WELCOME RESOURCE ON THE JOB SITE.WEBOS

SWITCHING:

THE AC-MX1616-AUHD CAN BE SWITCHED FROM THE FRONT PANEL BY SELECTING THE OUTPUT, PRESS ENTER, THEN SELECT THE INPUT:

1.PRESS THE BUTTON (1 THROUGH 16) THAT CORRESPONDS WITH THE OUTPUT (DISPLAY, OR SINK DEVICE) YOU WOULD LIKE TO SEND A SOURCE.
2.PRESS ENTER
3.NOW SELECT THE DESIRED INPUT ON (1 THROUGH 16)
4.THE ROUTE IS NOW SET.
5.YOU MAY ALSO NAVIGATE TO THE "SWITCH" MENU ON THE CONTROL SCREEN TO MANAGE THE ROUTES

STEP 2: PRESS ENTER   STEP 1: SELECT THE DESIRED OUTPUT

STEP 3: SELECT THE DESIRED INPUT

NAVIGATING THE CONTROL SCREEN:

YOU CAN USE THE CONTROL SCREEN TO SETUP/CONTROL SEVERAL KEY FEATURES INCLUDING:

•MATRIX SWITCH ROUTING ~ CONTROL SWITCHING OR VIEW THE CURRENT ROUTING
•EDID MANAGEMENT ~ VIEW AND ADJUST EDID CONFIGURATION
•AUDIO SETUP & ROUTING ~ SET THE DEFAULT EXTRACTED AUDIO MODE TO BIND TO INPUT, BIND TO OUTPUT OR MATRIX - WHEN IN MATRIX, AUDIO ROUTE CAN BE SELECTED.
•NETWORK SETUP ~ VIEW/SETUP IP ADDRESS (HOST/DEVICE, GATEWAY, SUBNET), TOGGLE DHCP, SET PORT NUMBER AND VIEW MAC ADDRESS

TO NAVIGATE THE CONTROL SCREEN YOU HAVE A 6-BUTTON CONTROL PANEL THAT CONTROLS THE "CONTROL" SCREEN.
•"MENU" AREA CONSISTS OF UP, DOWN, LEFT AND RIGHT - THESE ARE YOUR NAVIGATION BUTTONS. PRESS THESE BUTTONS TO MOVETHROUGH THEM MENUS TO YOUR DESIRED SELECTIONS. YOUR DESIRED SELECTION WILL BE BORDERED OR HIGHLIGHTED
•"ENTER" SELECTS THE HIGHLIGHTED ITEM AND ADVANCES TO THE NEXT SET OF OPTIONS OR SETS YOUR SELECTION
•"CANCEL" STOPS WHAT YOU ARE DOING AND TAKES YOU BACK ONE MENU OR TO THE HOME SCREEN.

EDID MANAGEMENT: INSTANTLY AND EASILY SET AND MANAGE EDID FUNCTIONS RIGHT FROM THE FRONT SCREEN. EDID MANAGEMENT WILL HELP YOU GET THE RIGHT SIGNAL FROM THE SOURCE DEVICE ADDING ADDITIONAL SECURITY THAT NOTHING UNSUPPORTED WILL BE MISTAKENLY FED INTO THE SYSTEM.

TO SET THE EDID, JUST CHOOSE EDID FROM THE "HOME SCREEN" AND THEN SELECT THE INPUT YOU WANT TO SET. FINALLY TOGGLE THROUGH THE EDIDS UNTIL YOU GET THE ONE YOU WANT. FOR THE MOST PLUG AND PLAY COMPATIBILITY, WE RECOMMEND USING "1080P 2CH" (WHICH IS THE DEFAULT SETTING). THIS IS IDEAL FOR BARS, RESTAURANTS, AND HOMES. THERE IS ALSO THE ABILITY TO UPLOAD A CUSTOM EDID IS DESIRED (HAS TO BE DONE IN SERIAL CONTROL SOFTWARE).

AVAILABLE EDID OPTIONS ARE LISTED BELOW. ADDITIONALLY, YOU CAN COPY AN EDID FROM A DISPLAY USING SERIAL :

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

CONTROL SCREEN - NETWORK (IP) SETTING: HERE YOU CAN SETUP THE MATRIX WITH YOUR PREFERRED NETWORK SETTINGS. FROM THE FRONT PANEL YOU CAN:
• VIEW THE CURRENT IP SETTINGS AND MAC ADDRESS
• SET STATIC ROUTE IP (DEFAULT IS 192.168.001.001)
• SET STATIC DEVICE IP (DEVICE DEFAULT IS 192.168.001.239)
• SET STATIC NET MASK (DEFAULT IS 255.255.255.0)
• CHANGE THE TCP/IP PORT (DEFAULT IS PORT 23)
• TOGGLE DHCP (DEFAULT CONDITION IS DHCP OFF) (0=OFF, 1=ON)

TO NAVIGATE THE IP SETTING SCREEN:
1. NAVIGATE UP AND DOWN TO SELECT (USE ENTER BUTTON) THE OPTION YOU WANT TO ADDRESS (RIP, IP, MASK, TCP.IP, DHCP)
2. ONCE SELECTED YOU CAN USE UP AND DOWN TO TO CHANGE THE FIRST NUMBER OR PRESS ENTER TO SKIP IT AND CONTINUE TO THE NEXT.
3. ONCE YOU SET THE LAST POSSIBLE NUMBER (OR COMPLETE THE IP) IT WILL BACK YOU TO THE MAIN SCREEN TO MAKE ANOTHER SELECTION

IR DETAILS: IR IN ON THIS MACHINE IS FOR CONTROLLING THE AC-MX1616-AUHD, RS232 OR IP CONTROL ARE THE RECOMMENDED METHODS, BUT IR CAN BE USED IN SOME CIRCUMSTANCES.
THE IR INPUT IS FOR AN IR RECEIVER EYE ONLY. THE IR RECEIVER EYE BELOW CAN PLUG INTO THE IR EXT. PORT.IR

1. USE THE SUPPLIED IR REMOTE AND SELECT THE OUTPUT THEN INPUT
2. LEAR IR CODES FROM THE SUPPLIED REMOTE
3. USE DISCREET NEC/HEX IR CODES TO PROGRAM A 3RD PARTY CONTROL SYSTEM OR IR REMOTE. CHECK WWW.AVPROEDGE.COM FOR DISCREET IR CODES, OR CONTACT US TO GET THEM.

TROUBLESHOOTING
•VERIFY POWER - THE LCD SCREEN ON THE FRONT OF THE MATRIX SHOULD BE LIT UP WHEN POWER IS APPLIED. CHECK THAT BOTH POWER SUPPLIES ARE CONNECTED TO THE MATRIX AND POWERED

•VERIFY CONNECTIONS - CHECK THAT ALL CABLES ARE PROPERLY CONNECTED

•ISSUES WITH ONE INPUT/OUTPUT - SWAP PORTS/CABLES/ETC TO HELP NARROW DOWN IF THE ISSUE STAYS WITH THE INPUT/OUTPUT/ETC

•ISSUES WITH 4K BUT 1080P OR LESS IS 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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