

User Manual AC-MX82-AUHD





AC-MX82-AUHD-RM

(RM ~ Rack Mountable Version)





The AC-MX82-AUHD is a true 8x2 HDMI matrix switch. Supporting HDMI 2.0(a/b), HDCP 2.2, up to 4K video resolution, and up to 18 Gbps bandwidth. 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.

The AC-MX82-AUHD is ideal for bypassing AVR's that do not support full 18Gbps. You can 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.

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!

Features:

- 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) for mixed systems
- 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)
- 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
- AVR Mirror Mode Mirrored Outputs

Quick Installation:

- 1. Connect the HDMI input sources (Blu-ray, Set Top Box, etc...) to the AC-MX82-AUHD.
- 2. Connect the HDMI output devices (AVR, Display, Distribution Amplifier, Extender) to the AC-MX82-AUHD.
- 3. Power on the sources.
- 4. Connect the power supply into the AC-MX82-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.

Easy to use:

- Install in seconds
- Feature rich
- Powerful EDID management
- Front Panel Control
- IR Remote
- IR & RS-232 Control
- LAN Control

In The Box:

- AC-MX82-AUHD or AC-MX82-AUHD-RM Matrix Switch
- IR Remote Control
- 12V Locking Power Supply
- 3-Pin Terminal Block
- Mounting Ears

AC-MX82-AUHD/AC-MX82-AUHD-RM



VIDEO RESOLUTIONS UP TO 4K GORZ 4:4-4 VESA RESOLUTIONS UP TO 4K GORZ 2:40:5K (UP TO 5/20/3200) HDR FORMATS/RESOLUTIONS 20,422,44:10 MD 12 DEEP COLOR) HDR10, HDR10+, DOLEY VISION, HLG COLOR SPACE YUV COMPONENT, RGB COLOR SPACE YUV COMPONENT, RGB COLOR SPACE YUV COMPONENT, RGB DEEP COLOR UP TO 16 BIT (1060), UP TO 12 BIT (4K) AUDIO FORMATS SUPPORTED HDM1 DEGTAL PLUS DOLEY TRUEHO, DITS-HD MASTER AUDIO, DITS-X, DOLEY ATMOS AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINO) PCM 2.0 K, LCM 5.1 8.7.1, DOLEY DIGTAL, DUS DIGTAL, PLUS DIGTAL PLUS DIGTAL PLUS DIGTAL PLUS DIGTAL PLUS DIGTAL DUS DIGTAL PLUS DIG	VIDEO:	
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AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)PCM 2 CHAUDIO EXTRACTION LOCATIONFOLLOWS OUTPUT (SELECTABLE)DISTANCE:UP TO 50 FEET (USING BULLET TRAIN HOMI)HOMI IN/OUT (4K60 4:4:4)UP TO 130 FEET (USING BULLET TRAIN AOC)OTHER:TBBANDWIDTH18 6BPSHOCPHOCP 2.2AND EARLIERCONTROLETCPORTSLAN, RS232, IR WINDOWCA, RT, ELAN, CRESTRON, URCORIVERS(FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERSLAN WEBOSYESPORTSJANDWIOTHNUIDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED ANALOG)L/R AUDIOIR RXWINDOW ONLY CREMOTE INCLUDED)RS2323 PIN TERMINAL BLOCKENVIRONMENTALE23 TO 125'F (-5 TO 51'C)STORAGE TEMPERATURE-4 TO 40'F (-20 TO 60'C)HUMINITY RANGE5-90% RI (NO CONDENSATION)POWER CONSUMPTION (TOTAL)12 WATTS MAXPOWER CONSUMPTION (TOTAL)12 WATTS MAXPOWER SUPPLY - MATRIXINPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2ADIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 33.54 X 111.12 X 28.98 INCH: 1.32 X 4.37 X 11.06IMMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 30.51 X 222.5X 333.7 INCH: 3.23 X 222.25 X 333.7 INCH: 3.23 X 222.25 X 333.7 INCH: 3.23 X 32 X 22.25 X 333.7 INCH: 3.23 X 32 X 22.25 X 333.7 INCH: 3.23 X 32 X 22.55 X 333.7 INCH: 3.23 X 32 X 22.55 X 333.7 INCH: 3.23 X 32 X 23.55WEIGHT (FORKAGED)	AUDIO FORMATS SUPPORTED EXTRACTED (TOSLINK)	
AUDIO EXTRACTION LOCATIONFOLLOWS OUTPUT (SELECTABLE)DISTANCISEHDMI IN/OUT (4KGO 4:4:4)UP TO 50 FEET (USING BULLET TRAIN HOMI)HDMI IN/OUT (W/ ADC CABLE) (4KGO 4:4:4)UP TO 130 FEET (USING BULLET TRAIN ADC)OTHER:BANDWIDTH18 GBPSHDCPHDCP 2.2AND EARLIERCONTROLEPORTSLAN, RS232, IR WINDOWDRIVERSC4, RT, ELAN, CRESTRON, URCGNIROLEPORTSLAN, RS232, IR WINDOWLAN WEBOSYESPORTSSLAN WEBOSYESPORTSSLAN WEBOSYESPORTSLAN WEBOSYESPORTSSLAN RASCAURD (CKTRACTED DIGITAL)AUDIO (EXTRACTED DIGITAL)AUDIO (EXTRACTED DIGITAL)AUDIO (EXTRACTED DIGITAL)AUDIO (EXTRACTED ANALOG)LR RXWINDOW ONLY (REMOTE INCLUDED)RS2323 PIN TERMINAL BLOCKENVIRONIMENTALEOPERATING TEMPRATURE23 TO 125'F (-5 TO 51'C)STORAGE TEMPERATURE-4 TO 140'F (-20 TO 60'C)HUMIDITY RANGEPOWER CONSUMPTION (TOTAL)POWER SUPPLY - MATRIXDIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)INNENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)INNENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)INNENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)INNENSIONS (PACKAGED) HEIGHT/DEPTH/WIDTH)INNENSIONS - AACK MOUNTABLE VERSIONWEIGHT (UNIT)18 LBS (A2 KG)WEIGHT (PACKAGED)IDIMENSIONS - AACK MOUNTABLE VERSION </td <td>AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)</td> <td></td>	AUDIO FORMATS SUPPORTED EXTRACTED (2CH PORT)	
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OTHER: BANDWIDTH 18 GBPS HDCP HDCP 2.2AN DEARLIER CONTROL: ————————————————————————————————————		
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HDCPHDCP 2.2AND EARLIERCONTROL:		19 0005
CONTROL:PORTSLAN, RS232, IR WINDOWPORTSC4, RTI, ELAN, CRESTRON, URCDRIVERS(FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERSLAN WEBOSYESPORTS:HOMITYPE ALANRJ45 W/ WEB INTERFACE/ CONTROLAUDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED ANALOG)L/R AUDIOIR RXWINDOW ONLY (REMOTE INCLUDED)RS2323 PIN TERMINAL BLOCKENVIRONMENTALEOPERATING TEMPRATURE23 TO 125°F (-5 TO 51°C)STORAGE TEMPERATURE-4 TO 140°F (-20 TO 60°C)HUMIDITY RANGE5-90% RH (NO CONDENSATION)POWERPOWER CONSUMPTION (TOTAL)12 WATTS MAXPOWER SUPPLY - MATRIXINPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2ADIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 33.54 X 111.12 X 28.98 INCH: 1.32 X 4.37 X 11.06DIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 33.54 X 111.12 X 28.98 INCH: 3.37 X 222.25 X 393.7 INCH: 3.69 X 8.75 X 15.5WEIGHT (UNITD1.8 LBS (.82 KG)UMEIGHT (UNITD)1.8 LBS (.82 KG)UMEIGHT (UNITD)1.8 LBS (.82 KG)UNTONLY - HEIGHT/DEPTH/WIDTH)INCH: 3.7 X 23.7 S.17 INCH: 3.69 X 8.75 X 15.5WEIGHT (UNITD1.8 LBS (.82 KG)UNTONLY - HEIGHT/DEPTH/WIDTH)INCH: 3.41 X 6.75 X 19WEIGHT (UNITD1.8 LBS (.82 KG)WEIGHT (UNITD)1.2 LBS (1.36 KG)UMENSIONS - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY + HEIGHT/DEPTH/WIDTH)INCH: 3.2 LBS		
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C4, RTI, ELAN, CRESTRON, URC (FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERSLAN WEBOS PORTS:HOMITYPE ALANRJ45 W/ WEB INTERFACE/ CONTROLAUDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED ANALOG)L/R AUDIOIR RXWINDOW ONLY (REMOTE INCLUDED)RS2323 PIN TERMINAL BLOCKBUNIRONIANTALEUNINOW ONLY (REMOTE INCLUDED)OPERATING TEMPERATURE23 TO 126°F (-5 TO 51°C)STORAGE TEMPERATURE-4 TO 140°F (-20 TO 60°C)HUMIDITY RANGE POWER CONSUMPTION (TOTAL)12 WATTS MAXPOWER SUPPLY - MATRIXINPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2ADIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 33.54 X 111.12 X 28.98 INCH: 3.28 X 4.37 X 11.06DIMENSIONS (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 93.73 X 222.25 X 393.7 INCH: 3.28 X 4.37 X 11.06DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)MM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)DIMENSIONS - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)INCH: 3.14 X 6.75 X 19 VEIGHT (UNIT) - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)INCH: 3.21 X 6.75 X 19 VEIGHT (UNIT) - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)INCH: 3.21 X 6.75 X 19WEIGHT (PACKAGED) - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)WEIGHT (UNIT) - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)MM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)<		I AN DS222 ID WINDOW
DRIVERS(FOR MORE INFORMATION - SEE DRIVERS PAGE ON AVPROEDGE.COM/DRIVERSLAN WEBOSYESPOINTS:		
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LAN WEBOSYESPORTS:TYPE AHDMITYPE ALANR145 W/ WEB INTERFACE/ CONTROLAUDIO (EXTRACTED DIGITAL)TOSLINKAUDIO (EXTRACTED ANALOG)L/R AUDIOIR RXWINDOW ONLY (REMOTE INCLUDED)RS2323 PIN TERMINAL BLOCKENVIRONMENTAL:OPERATING TEMPRATURE23 TO 125°F (-5 TO 51°C)STORAGE TEMPERATURE-4 TO 140°F (-20 TO 60°C)HUMIDITY RANGE5-90% RH (NO CONDENSATION)POWER CONSUMPTION (TOTAL)12 WATTS MAXPOWER SUPPLY - MATRIXINPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 2ADIMENSIONS(UNIT ONLY - HEIGHT/DEPTH/WIDTH)DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)MM: 33.54 X 111.12 X 28.98 INCH: 1.32 X 4.37 X 11.06DIMENSIONS (PACKAGED HEIGHT/DEPTH/WIDTH)MM: 33.73 X 222.25 X 393.7 INCH: 3.69 X 8.75 X 15.5WEIGHT (UNIT)1.8 LBS (.82 KG)WEIGHT (PACKAGED)3 LBS (1.36 KG)DIMENSIONS - RACK MOUNTABLE VERSIONMM: 20.5 X 94 X 232.98 (UNIT ONLY - HEIGHT/DEPTH/WIDTH)INCH: .9 X 3.7 X 9.17DIMENSIONS - RACK MOUNTABLE VERSIONMM: 86.61 X 171.45 X 482.6 (PACKAGED HEIGHT/DEPTH/WIDTH)INCH: .9 X 3.7 X 9.17DIMENSIONS - RACK MOUNTABLE VERSIONMM: 86.61 X 171.45 X 482.6 (PACKAGED HEIGHT/DEPTH/WIDTH)INCH: .9 X 3.7 X 9.17DIMENSIONS - RACK MOUNTABLE VERSIONMM: 86.61 X 171.45 X 482.6 (PACKAGED HEIGHT/DEPTH/WIDTH)INCH: .9 X 3.7 X 9.17DIMENSIONS - RACK MOUNTABLE VERSIONX.2 LBS (1.45 KG)WEIGHT (PACKAGED) - RACK MOUNTABLE VERSION3.2 LBS (DRIVERS	
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HUMIDITY RANGE 5-90% RH (NO CONDENSATION) POWER:		
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WEIGHT (PACKAGED) - RACK MOUNTABLE VERSION 4.4 LBS (2 KG)	(PACKAGED HEIGHT/DEPTH/WIDTH)	INCH: 3.41 X 6.75 X 19
	WEIGHT (UNIT) - RACK MOUNTABLE VERSION	3.2 LBS (1.45 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	-	-
	*SPECIFICATIONS SUBJECT TO CHANGE WITHO	DUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE



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Device Overview:

- Definition Matrix switches provide the ability to route any input to any output or to multiple outputs at any time. Depending on the model, a matrix switch can route HD, UHD or AUHD content in this manner. Additionally, since most venues have both, audio zones and video zones, the requirement to breakout or strip off the audio is often necessary and has become almost a standard feature on most matrix switches.
- Control Matrix switches are generally controlled via a third-party controller (like Control 4, RTI, Crestron, etc...). Many integrators want ready-made drivers for their control system in order to make programming and deployment easier.
- Matrix Switches are widely used in both, Commercial and Residential Applications.

Front Panel Control:

- "OUT 1 SELECT" Toggles the active source for OUTPUT 1
- "OUT 2 SELECT" Toggles the active source for OUTPUT 2
- "AUDIO OUTPUT SELECT" Toggles which OUTPUT the extracted audio follows (2CH & Toslink are mirrored)
- "OUT 1 SCALER SELECT" Toggles (On/Off) the output scaler for OUTPUT 1
 - o ON Signal will be scaled to 1080P
 - OFF Scaler is disabled
- Enable/Disable "Auto-Switching" Simply PRESS & HOLD the OUTPUT SELECT button for 4 seconds to toggle "Auto-Switching"
 - When the LED is flashing "Auto-Switching" is enabled.
 - You can enable only one output to auto switch, or both when both are enabled, they will be mirrored.
- AVR Mirror Mode When enabled both outputs will be mirrored and switch regardless of the command sent
 - PRESS & HOLD OUTPUT 2 SELECT and AUDIO OUTPUT SELECT buttons for 5 seconds to Enable/Disable
 - All 4 Red LEDs will flash, both outputs are now mirrored and will switch together when an output command is sent to output 1 or output 2.
- EDID is ideally set from the Web Interface, but can be set from the front panel see EDID section of manual



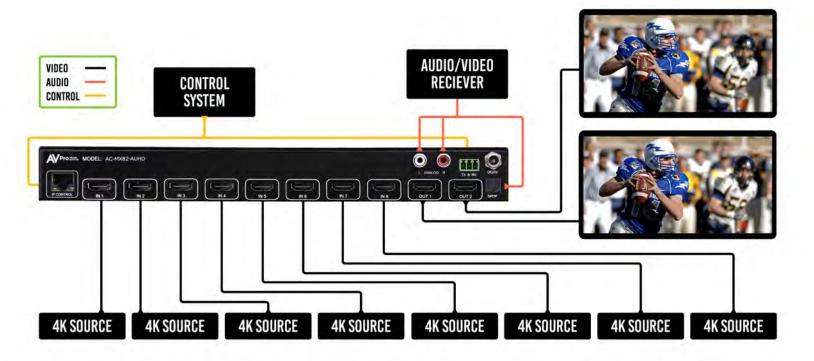
Rear Panel Overview:

- Default IP Address is 192.168.001.239
- Audio Outputs are mirrored, and can follow one output
 - SPIDIF Toslink supports PCM, LPCM (up to 7CH), Dolby Digital, Dolby Digital Plus, DTS, DTS-HD, DTS Master Audio
 - Analog supports only 2CH PCM. *If a higher codec is coming in, it will be silent (Only Toslink will work)*

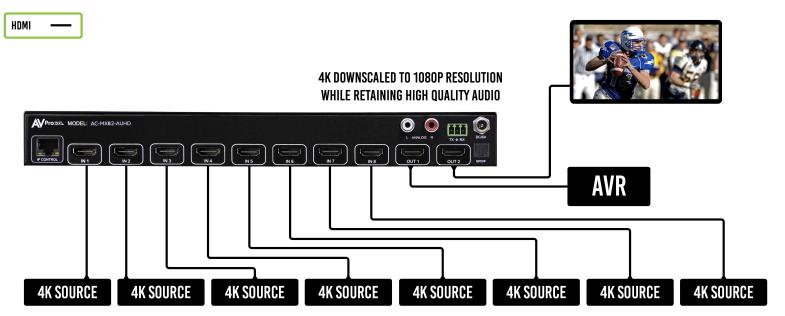




CONNECTION DIAGRAM



AVR BYPASS



PAGE 6



Auto Switching Logic:

When the AC-MX82-AUHD is in "Auto" mode the logic is to switch to the most recently plugged in device based on a Hot Plug Event. You can have either HDMI OUTPUT set on auto individually or they can both be on together.

See examples:

- 1. When a new source device (like a PC) is plugged into the AC-MX82-AUHD, it automatically switches to that input.
- 2. When an active source device is disconnected, the AC-MX82-AUHD is automatically switched back to the last source plugged in before it (so long as it is still active). It will continue to backtrack until it finds an active source. If no active source is found it will stop searching after one cycle.
- 3. If you are collaborating and a PC is connected, when a new PC is plugged into the matrix it will activate the new input on the outputs that are set to "Auto" You can override by pressing the front panel, or sending a remote serial or LAN command as well.

Audio Output Logic:

You can extract audio from toslink or balance 2CH Audio. Audio outputs are an un-decoded output. This means that what goes in, is what goes out.

- 1. 2CH Analog Port Supports 2CH PCM audio only, which is ideal for 2 Channel systems and zoned audio systems.
- 2. Toslink Audio Port Supports PCM, LPCM (up to 7CH), Dolby Digital, Dolby Digital Plus, DTS, DTS-HD, DTS Master Audio, which is ideal for multi-channel audio systems and older AVR's that do not support 18Gbps.
- 3. Need to down-mix for combination, uncompressed and 2CH systems? Check out the AC-ADM-AUHD and AC-ADM-COTO
- 4. NOTE The 2CH Analog port and the Toslink port are mirrored. If the audio codec coming into the AC-MX82-AUHD is above 2-Channel, the Analog port will be silent, however the audio will still come out of Toslink.

Factory Reset:

There is an easy way to reset all settings on this unit. It is especially useful if a static IP is set and the network changes, you can reset it.

To preform a factory reset:

• Press and hold both "Audio Select" and "Output 1 Scaler Select" buttons for 5 seconds. All LEDs will flash one time indicating it is complete. All settings will now be reset including the IP address back to 192.168.001.239



EDIDManagement:

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 "Out 1" and "Out 2" 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 "Out 1" button to toggle to the input you want to set the EDID for. (1=IN1, 2=IN2, 3=IN3, 4=IN4)
- 3. Press the "Out 2" button to toggle through the EDID index.
- 4. Once you land on the EDID you want to use, press and hold the "Out 2" 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

Use the chart below to pick your EDID:

		AC-MX	B2-AUH	D FRONT	PANEL	EDID S	SETTINGS
			The LE	D Status	: 0(OFF)	1(ON)	
LED	OUT2 IN1	OUT2 IN2	OUTZ IN3	OUT2 IN4	OUTZ IN5	OUT2 IN6	EDID
Input1~Input6(HD	MI1, HDMI2	HDMI3,	HDMI4, HD	MIS, HDMI	6) EDID Se	ttings(Out	put2]IN1][IN2][IN3][IN4][IN5][IN6 LED]
0	0	0	0	0	0	0	0:1080P_2CH(PCM)
1	1	0	0	0	0	0	1:1080P_6CH
2	0	1.	0	0	0	0	2:1080P_8CH
3	1	1	0	0	0	0	3:1080P_3D_2CH(PCM)
4	0	0	1	0	0	0	4:1080P_3D_6CH
5	1	0	1	0	0	0	5:1080P_3D_8CH
6	0	1	1	0	0	0	6:4K30Hz_3D_2CH(PCM)
7	1	1	1	0	0	0	7:4K30HZ_3D_6CH
8	0	0	0	1	0	0	8:4K30HZ_3D_8CH
9	1	0	0	1	0	0	9:4K60Hz(Y420)_3D_2CH(PCM)
10	0	1	0	1	0	0	10:4K60Hz(Y420)_3D_6CH
11	1	1	0	1	0	0	11:4K60Hz(Y420)_3D_8CH
12	0	0	1	1	0	0	12:4K60HZ_3D_2CH
13	1	0	1	1	0	0	13:4K60HZ_3D_6CH
14	0	1	1	1	0	0	14:4K60HZ_3D_8CH
15	1	-1	1	1	0	0	15:1080P_2CH(PCM)_HDR
16	0	0	0	0	1	0	16:1080P_6CH_HDR
17	1	Û	0	0	1	0	17:1080P 8CH HDR
18	0	1	0	0	1	0	18:1080P 3D 2CH(PCM) HDR
19	1	1.	0	0	1	0	19:1080P 3D 6CH HDR
20	0	0	1	0	1	0	20:1080P 3D 8CH HDR
21	1	0	1.1	0	1	0	21:4K30Hz_3D_2CH(PCM)_HDR
22	0	1	1	0	1	0	22:4K30Hz 3D 6CH HDR
23	- 1	1	1	0	1	0	23:4K30Hz 3D 8CH HDR
24	0	0	0	1	1	0	24:4K60Hz(Y420) 3D 2CH(PCM) HDR
25	1	0	0	1	1	0	25:4K60Hz(Y420)_3D_6CH_HDR
26	0	1	0	1	1	0	26:4K60Hz(Y420)_3D_8CH_HDR
27	1	1	0	1	1	0	27:4K60Hz_3D_2CH(PCM)_HDR
28	0	0	· 10 -	1	1	0	28:4K60Hz_3D_6CH_HDR
29	1	0	1	1	1	0	29:4K60Hz_3D_8CH_HDR
30	0	1	1	1	1	0	30:USER1_EDID
31	1	1	1	1	1	0	31:USER2_EDID
32	0	0	0	0	0	1	32:USER3_EDID
33	1	0	0	0	0	1	33:Copy Output1 EDID To Input
34	0	1	0	0	0	1	34:Copy Output2 EDID To Input



Web Interface

Default IP = 192.168.001.239

Sense Switch:

Use this area to route inputs to outputs

Pro edge AC-MX82-AUHD								
vitch	_							
	1611	IND	IN 2	INA	IN5	ING	IN7	INIR
OUT1	INT INT	IN2	IN3 IN3	IN4 IN4	IN5	IN6 IN6	IN7	IN8 IN8

HDMI Auto Switch:

Use this to turn the HDMI Auto Switch Feature ON/OFF per output.

HDMI Auto Switch			
OUT1	ON	OFF	
OUT2	ON	OFF	

Video Scaler Mode:

This will set the scaler mode for OUTPUT 1, 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.

Video Scaler Mode				
	OUT1	BYPASS	4K-2K	



Audio Status:

Enable or Disable extracted Audio, the options are:

- **ON** = Extracted audio ports are ON (Default)
- **OFF**= Extracted audio ports are muted.

Audio Status			
	ON	OFF	

AudioBinding:

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:

- **OUT1** = Extracted audio will follow OUTPUT 1 (Default)
- OUT 2= Extracted audio will follow OUTPUT 2

Audio Binding			
	OUT1	OUT2	

EDID Manage:

Using the built-in EDID manager, a multitude of EDID's can be set for each input, and each input can be assigned a different EDID. This should be used to optimize sources or to manage infrastructure.

Click on the Dropdown of the INPUT you would like to set, pick the EDID, then click Apply

ID Manage			
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
IN7	4K60HZ 3D 2CH HDR	•	Apply
IN8	4K60HZ 3D 2CH HDR	•	Apply

See EDID list on next page

AC-MX82-AUHD/AC-MX82-AUHD-RM



1080P_2CH	1080P_3D_2CH_HDR	IN1	4K60HZ 3D 2CH HDR	Apply
1080P_6CH	1080P_3D_6CH_HDR		1080P 2CH HDR	
1080P_8CH	1080P_3D_8CH_HDR	IN2	1080P 6CH HDR	Apply
1080P_3D_2CH	4K30HZ 3D 2CH HDR	IN3	1080P 8CH HDR	Apply
1080P 3D 6CH	4K30HZ_3D_6CH_HDR	Ц13	1080P 3D 2CH HDR	лариу
1080P_3D_8CH	4K30HZ 3D 8CH HDR	IN4	1080P 3D 6CH HDR	Apply
4K30HZ 3D 2CH	4K60HzY420 3D 2CH HDR	IN5	1080P 3D 8CH HDR 4K30HZ 3D 2CH HDR	Apply
4K30HZ 3D 6CH	4K60HzY420 3D 6CH HDR		4K30HZ 3D 6CH HDR	
4K30HZ 3D 8CH	4K60HzY420 3D 8CH HDR	IN6	4K30HZ 3D 8CH HDR	Apply
4K60HzY420 3D 2CH	4K60HZ 3D 2CH HDR	IN 7	4K60HZ(Y420) 3D 2CH HDR	Apply
		IN8	4K60HZ(Y420) 3D 6CH HDR	Apply
4K60HzY420_3D_6CH	4K60HZ_3D_6CH_HDR	110	4K60HZ(Y420) 3D 8CH HDR	(,pp)
4K60HzY420_3D_8CH	4K60HZ_3D_8CH_HDR		4K60HZ 3D 2CH HDR 4K60HZ 3D 6CH HDR	
4K60HZ_3D_2CH	User EDID 1		4K60HZ 3D 8CH HDR 4K60HZ 3D 8CH HDR	
4K60HZ 3D 6CH	User EDID 2		User1 EDID	
4K60HZ_3D_8CH	User EDID 3		User2 EDID	
1080P 2CH HDR	Copy from Out1		IP Set User3 EDID	
1080P 6CH HDR	Copy from Out2		Copy From Out1	Port Alias Setting
1080P 8CH HDR		IAC Address	Copy From Out2]

*Note: To Copy a connected displays EDID, choose Copy From OUTx and click Apply. If successful the EDID will change to User1EDID (this is where it is copied to).

eb Interface: System		N1	User1 EDID		• App
System Setting	J				
]	IP Setting				
MAC Address	F8:1D:78:A8:20:F8		Port Alias Settin	g	
Host IP Address	192.168.1.239		JT1 OUT1 IN1 JT2 OUT2 IN2	IN1 IN2	
Subnet Mask	255.255.255.0		IN3 IN4	IN3	
_	233.233.233.0		IN5	IN5	
Router IP Address	192.168.1.1		IN6 IN7	IN6	
TCP Port	23		IN8	IN8	
DHCP Static IP	Apply		Apply		
	V1.0	00			

IP Settings:

Set network settings such as:

- Static IP
 - Subnet Mask
 - Router IP
 - TCP Port
 - Enable DHCP

Port Alias Settings:

Rename inputs and outputs for easy management. Each custom name is limited to eight (8) characters.



IR Control:

For IR Control there is an IR Window on the front face of the device.



RS-232 and TCP/IP Commands:

The AC-MX82-AUHD can be controlled with either RS-232 or TCP/IP commands. Certain switching or format configurations can only be done using these commands. We recommend using either the MyUART (RS-232 - free) or Hercules (TCP/IP - free) apps as they are very easy to use for sending commands to the machine. MyUART download available on AVProEdge.com/Drivers

OTHER TOOLS & DRIVERS

MyUart Serial Communicator: Used to send direct serial commands to our products.

For TCP/IP control commands use Telnet Port 23.

For RS-232, use a null modem serial cable adapter and set the serial communications to: 57600,n,8,1 (baud: 57600, no parity, 8 data bits and 1 stop bit) with no handshaking.

Please add a return (Enter key) after each command when using direct commands.

The unified command list (ASCII) is listed below (next page).

AC-MX82-AUHD/AC-MX82-AUHD-RM

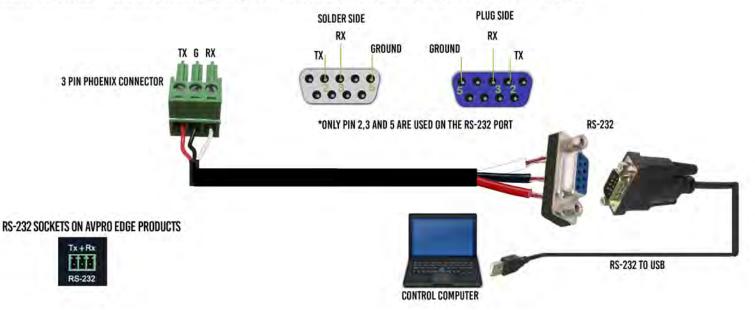


57A :Show Global System State 57T AT :Rest of Rest of Packar Delaw State (D=0)(D=0 Single)) 67T ADOR :Get System Address 67T ADOR :Get System Address 67T TAR :Get Commands: 97T OUT YE SINY :Set Output YE System System System 97T OUT YE SINY :Set Output YE System Sy							
SFT RST : Rest to Factory Defaults SFT RST : Set Factory Defaults SFT RST : Set Factory Defaults GFT FSA : Get System System States GFT FSA : Get Ender Signilis States (GFT FSA : Get Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (GFT OUTS ' DEO : Get Compart States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart A States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart A States (GFT OUTS ' STREAM : Get Compart A States (=	Н	: Help		=		
SFT RST : Rest to Factory Defaults SFT RST : Set Factory Defaults SFT RST : Set Factory Defaults GFT FSA : Get System System States GFT FSA : Get Ender Signilis States (GFT FSA : Get Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (SFT OUTS ' STATES' : Set Compart 1/DEO Mode (GFT OUTS ' DEO : Get Compart States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart A States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart States (GFT OUTS ' STREAM : Get Compart A States (GFT OUTS ' STREAM : Get Compart A States (=	STA	: Show Global System Status		=		
SFT ADDR xx : Set System Address to xx (xx:[00=90](0=3)0[0]) SFT ADDR xx : Set System Address GT ADDR x : Set System Address SFT ADDR xx : Set System Address GT ADDR xx : Set System Address SFT ADDR xx : Set System Address SFT ADDR xx : Set Chipt X To Ison Y (xx:[0-21/0] (-D-XL) y=[1-6]). SFT ADDR xx : Set Chipt X To Ison Y (xx:[0-21/0] (-D-XL)) SFT ADDR xx : Set Chipt X To Ison Y (xx:[0-21/0] (-D-XL)) SFT ADDR xx : Set Chipt X To Ison Y (xx:[0-21/0] (-D-XL)) SFT ADDR xx : Set Chipt X Vise Set C	=	SET RST			=		
eff tradbok : Get System Address			-	1}	=		
eff T1 AL : edit System Status				3	=		
GET TM: SIG 57A : Get Input Signal Status(:=[0-4](G=ALL)) Orbot Status(:=[0-4](G=ALL), y=[1-6]) : Set Output Vision Signal Status(:=[0-4](G=ALL), y=[1-6]) SET OUT: No Env : Set Output Vision Signal Status(:=[0-4](G=ALL), y=[1-6]) SET OUT: No Env : Set Comput Vision Signal Status(:=[0-4](G=ALL), y=[1-6]) SET OUT: STEAM ONJOFF : Set Comput Vision Status(:=[0-2](G=ALL)) SET OUT: NUTC ON/OFF : Set Comput Vision Status(:=[0-2](G=ALL)) SET OUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) SET OUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET OUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) GET COUT: NUTC ON/OFF : Set Comput Vision Status(:=[0](G=ALL)) <t< td=""><td></td><td></td><td></td><td></td><td>=</td></t<>					=		
Output Setup Commands: 5 th Output Yo To Just 1 (x:[0-2(0-ALL), x:[-1:4]) SET DXI YUDOY 1 set Output I/DEO Mede (y:[-1:2]) SET DXI YUDOY 1 set Output I/DEO Mede (y:[-1:2]) SET SXI YUTCH MODEx 1 set Output I/DEO Mede (y:[-1:2]) SET SXI YUTCH MODEx 1 set Output I/DEO Mede (y:[-1:2]) SET SXI YUTCH MODEx 1 set Output I/DEO Mede (y:[-1:2]) SET SXI YUTCH MODEx 1 set Output I/DEO Mede (y:[-0:2]) SET OUT TS XER MOUTS 1 set Output I/DEO Mede (y:[-0:2]) SET OUT X MAUTE ON/OFF 1 set HOMI Output X Audio Mede (DI/OFX:[-0:2]) SET OUT X MAUTE ON/OFF 1 set HOMI Output X Audio Mede (DI/OFX:[-0:2]) GET OUTY NEX 1 set Output X Weo Mede Mede (DI/OFX:[-0:2]) GET OUTY EXA 1 set Found Output X Mede Mede (DI/OFX:[-0:2]) GET OUTY EXA 1 set Found Output X Mede Mede (DI/OFX:[-0:2]) GET OUTY EXA 1 set Found Output X Mede Mede (DI/OFX:[-0:2]) STI MEDID DATA 1 set Found Output X Mede Mede (DI/OFX:[-0:2]) STI MEDID DATA 1 set Found Output X Mede Mede (DI/OX:X=1-0] STI MEDID DATA 1 set Found Output X Mede Mede (DI/OX:X=1-0] STI MEDID DATA 1 set Found Output X Mede (DI/OX:X=1-0] STI ME					=		
Output Staty Communic: Set Output x To Ispat Y(x=[0-2](0-ALL), y=[1-6]) Set OUT, WIDBOY Set Output I/DEO Mode (y=[1-2](1-Bypass Mode, 2=4(->20)) Set OUT, WIDBOY Set Switch Mode Yound Sawek (x=[0-1]) Set OUT, EXEMPTION Set Switch Mode Yound Sawek (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Switch Mode Yound Sawek (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Output X state Mode (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Output X state Mode (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Output X state (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Output X state (x=[0](0-ALL)) Set OUT, IN KANTO MO/OF Set Output X state (x=[0](0-ALL)) Get OUT, NA MUTE OUTO Set Switch (x=[0](0-ALL)) Get OUT, NA MUTE Set Output X state (x=[0-2](0-ALL)) Get OUT, NA MUTE Set Output X state (x=[0-2](0-ALL)) Inst Set Output X state (x=[0-2](0-ALL)) Set Not NA State (x=[0-2](0-ALL)) Set TINK SED D Set Inst Set State (x=[0-2](0-ALL)) Set Set Output X state (x=[0-2](0-ALL)) Set Inst Set Set Set Set Set Set Set Set Set Se	12						
Set OUT: VS INP : 5et OUT: VS INP : 5et OUT: VS INP Set OUT: VDOAy : 5et OUT: VDOAy : 5et OUT: VDOAY Set OUT: VDOAY : 5et OUT: VDOAY : 5et OUT: VDOAY Set OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF Set OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF Set OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF Set OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF Set OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM Get OUT: STEAM ON/OFF : 5et OUT: STEAM ON/OFF : 5et OUT: STEAM Get OUT: STEAM : 6et OUT: STEAM ON/OFF : 5et OUT: STEAM Get OUT: STEAM : 6et OUT: STEAM ON/OFF : 5et OUT: STEAM Get OUT: STEAM : 6et OUT: STEAM ON/OFF : 5et OUT: STEAM Get OUT: STEAM : 6et OUT: STEAM ON/OFF : 1000 P.CCH Set NE: DU Y : 5et OUT: STEAM : 5et OUT: STEAM Isoto PCH (CA): DUT: STEAM : 6et OUT: STEAM : 5et OUT: STEAM Isoto PCH (CA): DUT: STEAM : 5et OUT: STEAM : 5et OUT:	_	Autnut Satun Commander			=		
set TOUTY VIDEÓy : set conjunt VIDEÓ Wole (~[1-2])(:=bypass Mole, 2=44-280)) set EX AND : set Avadio Subpris land & Outpate (:=1-2]) set TOUTY VIDEÓN : set Evadio Mole TO Single SWRICH on Dualite SwrICh, 1=(0-1)) set TOUTY NEEKES : set Evadio Mole TO Single SWRICH on Dualite SwrICh, 1=(0-1)) set TOUTS NEEKES : set Evadio Mole TO Single SWRICH on Dualite SwrICh, 1=(0-1)) set TOUTS NEEKES : set HOHI Comput A and Mate TO (VFF (<[-0-2](0-ALL))			· Cat Output v Ta Input v(v=[0, 2](0=4)1) v=[1, 0]	N			
STET XALANDORDA :Set Ex Audio Output bind to Output (x=[1-2]) STE XALANDORDA :Set Ex Audio Output Enable/Disable (x=(0)(0-ALL)) STE XALANDORDA :Set Ex Audio Output Enable/Disable (x=(0)(0-ALL)) STE CUTTA IN ANTE ON/OFF :Set DAME ANDE OUTP(x=[0-2](0-ALL)) GTE OUTY WDSD :Get Output X Wdoe Output X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY WDSD :Get Output X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY WDSD :Get Output X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY WDSD :Get Output X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY SEXA :Get Duput X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY SEXA :Get Duput X Wdoe Output (x=[0-2](0-ALL)) GTE OUTY SEXA :Get Output X SEXAND (x=[0-2](0-ALL)) GTE OUTY SEXA :Get Output X SEXAND (x=[0-2](0-ALL)) GTE OUTY SEXA :Get Output X SEXAND (x=[0-2](0-ALL)) Thus SEXE Commands: :(Net: Input semandow (ref Sexie) = (Net: [0-2](0-ALL) = (Net: [0-2](0		-			=		
SET SWITCH MODE: :Set Switch Product Switch (x=[0-1]) SET OUT: KERNIDS :Set CAVID: SWITCH Faile/Closeling (x=[0](C=ALL)) SET OUT: STREAM ON/OFF :Set Output: Stream ON/OFF(x=[0-2](C=ALL)) SET OUT: SWITCH CON/OFF :Set Output: Stream ON/OFF(x=[0-2](C=ALL)) GET OUT: SWITCH ON/OFF :Set Output: Stream ON/OFF(x=[0-2](C=ALL)) GET OUT: SWITCH MODE :Set Output: Stream ON/OFF Status(x=[0](C=ALL)) GET OUT: STREAM :Set Output: Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-2](C=ALL)) STI: NS: EDD oY :Set Input : Stream ON/OFF Status(x=[0-0](C=ALL)) STI: NS				e,2=4K->2K)}	=		
set TOUTY EXA EN/DIS :set Ex-Audio Cutput Enable/Disab					=		
SET OUT: STREAM ON/OFF : Set OUTLY STREAM ON/OFF : Set OUTLY AND UTC ON/OFF SET OUT: AN UNTE ON/OFF : Set OUTLY AND UTC ON/OFF : Set OUTLY AND UTC ON/OFF SET OUT: AN UNTE ON/OFF : Set OUTLY AND UTC ON/OFF : Set OUTLY AND UTC ON/OFF SET OUT: AN UNTE ON/OFF : Set OUTLY AND UTC ON/OFF : Set OUTLY AND UTC ON/OFF SET OUT: AND UTC ON/OFF : Set OUTLY AND UTC ON/OFF : Set OUTLY STREAM GET ZUXTY TO OUT : Set Chr.Audio Output Embl/Ohable Status(x=[0/G-ALL)) : GET OUT, STREAM : Get Output Stream ON/OFF Status(x=[0/G-ALL)) : GET OUT, STREAM : Get Output Stream ON/OFF Status(x=[0/G-ALL)) : GET OUT, STREAM : Get OUTLY STREAM : Set Input Status(x=[0/G-ALL)) Input Status Commands: : (Note: Input unmerchy-HDMI(X:x=1-a) : STT INK EDD y : Set Input Status(x=[0/G-ALL), y=[0/-32]) ::::::::::::::::::::::::::::::::::::					=		
s SET DUT: NA MUTE ON/OFF GET OUT: NA MUTE ON/OFF GET OUT: S GET OUT: S GE		•)}	=		
GET OUTX VIDEO :Get Output X Wideo Route(x=[0-2](0=ALL)) GET OUTX VIDEO :Get Detput X Wideo States(x=[1] GET CUTX VIDEO :Get Detput X Wideo States(x=[1] GET CUTX VIDEO :Get Detput X bideo States(x=[0-2](0=ALL)) GET OUTX STREAM :Get Output X BUD DATA GET OUTX STREAM :Get Output X BUD DATA GET OUTX STREAM :Get Output X BUD DATA(x=[1-2]) GET OUTX STREAM :Get Output X BUD DATA(x=[1-2]) Input State (x-Go-2](0=ALL)) :Get Output X BUD DATA(x=[1-2]) GET OUTX STREAM :Get Output X BUD CATA(x=[1-2]) Input State (x-Go-2](0=ALL) > (-0-2](0=ALL) :Get Output X BUD DATA SET TINE EDD DY :Set Input X EDD(X=[-0+8](x=1AL) > (-0-2](0=ALL) State (x-Go-2) = (-0+12) :Set Input X EDD CATA State (x-Go-2) = (-0+12) :Set Input X EDD CATA State (x-Go-2) = (-0+12) :Set Input X EDD CATA State (x-Go-2) = (-0+12) :Set Input X EDD CATA State (x-GO-2) = (-0+12) :Set Input X EDD CATA State (x-GO-2) = (-0+12) :Set Input X EDD CATA State (x-GO-2) = (-0+12) :Set Input X EDD CATA State (x-GO-2) = (-0+12) :Set Input X EDD CA	=	SET OUTx STREAM ON/OFF	: Set Output x Stream ON/OFF{x=[0~2](0=ALL)}		=		
GET CUTX VIDED : Get Cuty IV dies Status(x=[1] GET EXA STY OUT : Get ExAdio Output It die Output Chable, Status(x=[0(2=ALL)) GET SWITCH MODE : Get Cuty IV dies Mode GET CUTX STREAM : Get Cuty IV dies Mode GET OUTS STREAM : Get Output Stream ON/OFF Status(x=[0(2=ALL)) GET OUTS STREAM : Get Output Stream ON/OFF Status(x=[0(2=ALL)) GET OUTS NEAM : Get Output Stream ON/OFF Status(x=[0(2=ALL)) Input Status (X=[0(2=ALL)) : Stream ON/OFF Status(x=[0(2=ALL)) Input Status (X=[0(2=ALL)) : Stream ON/OFF Status(x=[0(2=ALL)) Status (X=[0(2=ALL)) : Status (X=[0(2=ALL)) Input Status (X=[0(2=ALL)) : Status (X=[0(2=ALL)) Status (X=[0(2=ALL)) : Status (X=[0(2=ALL)) Input Stat	=	SET OUTX HA MUTE ON/OFF	: Set HDMI Output x Audio Mute ON/OFF{x=[0~2](0=ALL)}	=		
GET EXA BTY OUT : Get ExAddio Output Inde is Output GET SWITCH MODE : Get Output Vide Mode GET OUT; EXA : Get ExAddio Output Exable/Disable Status(::[0-3LL)) GET OUT; EDD DATA :: Get ExAddio Output Exable/Disable Status(::[0-3LL)) GET OUT; EXA :: Get EXADD DATA(:: [0-3LD) :: Get EXADD Commands: :: Get EXADD Compared Status(:: [0-3LD) :: Status(:: Status(:: Commands:: (Note: Input number(:):=HOMI('X),::=1-8) :: Status(:: Status(:: Commands:: (Note: Input number(:):=HOMI('X),::=1-8) :: Status(:: Status(:: Commands:: (Note: Input number(:):=HOMI('X),::=1-8) :: Status(:: Status(:: Commands:: Status(:: Comma	=	GET OUTx VS	: Get Output x Video Route{x=[0~2](0=ALL)}		=		
GET SWITCH MODE : Get Output I Made Mode GET SWITCH MODE : Get Contrue table/lobable Status{x=[0-2](0=ALL)} GET CUT: STREAM : Get Output x EDID DATA(x=[1-2]) GET CUT: STREAM : Get Output x Kade Mute Status{x=[0-2](0=ALL)} GET CUT: STREAM : Get Output x Kade Mute Status{x=[0-2](0=ALL)} GET CUT: STREAM : Get Output x Kade Mute Status{x=[0-2](0=ALL)} Input SEUE Commands: (Mote: Input number(x)=HMM(Kx=1-4)) Input SEUE Commands: (Mote: Input number(x)=HMM(Kx=1-4)) SET TINE EDID Y : Set Input x EDID(x=[0-4](0=ALL), y=[0-2](0=ALL)) Input SEUE Commands: (Mote: Input number(x)=HMM(Kx=1-4)) Set Input XEDID(x=[0-4](0=ALL), y=[0-2](0=ALL), y=[0-2](0=ALL)) : Set Input XEDID(x=[0-4](0=ALL), y=[0-2](0=ALL), y=[0-2](0=ALL)) Intermode Set Input XEDID(x=[0-4](0=ALL), y=[0-2](0=ALL), y=[0-2](=	GET OUTX VIDEO	: Get Output x Video Status{x=[1]		=		
GFT DUTY EXA : Get Excludio Output Enable/Disable Status(x=[0:0[0=ALL)) GFT DUTY STREAM : Get Output x Stream ON/OFF Status(x=[0-2](0=ALL)) GFT DUTY AN MUTT : Get Output x Stream ON/OFF Status(x=[0-2](0=ALL)) GFT DUTY AN MUTT : Get Output x stream ON/OFF Status(x=[0-2](0=ALL)) STI INE EDID y : Set Input number(x) + HOHI(x),x=1-3) SFT INE EDID y : Set Input number(x) + HOHI(x),x=1-3) SFT INE EDID y : Set Input number(x) + HOHI(x),x=1-3) SFT INE EDID y : Set Input number(x) + HOHI(x),x=1-3) SFT INE EDID y : Set Input number(x) + HOHI(x),x=1-3) Set Input number(x) + HOHI(x),x=1-3) : Set Input number(x) + HOHI(x),x=1-3) Set Input number(x) + HOHI(x),x=1-3) : Set Input number(x) + HOHI(x),x=1-3) Set Inset Input number(x) + HOHI(x),x=1-3) : Set Input number(x) + HOHI(x),x=1-3) Set Inset Input number(x) + HOHI(x),x=1-3) : Set Input number(x) + HOHI (x),x=1-3) Set Inset Input number(x) + HOHI (x),x=1-3) : Set Input number(x) + HOHI (x),x=1-3) Set Inset Input number(x) + HOH (x),x=1-3) : Set Input number(x) + HOH (x),x=1-3) Set Input number(x) + HOH (x),x=1-3) : Set Input number(x) + HOH (x),x=1-3) Set Input numot (x) + Set Input number(x) + HOH (x),x=1-4)	=	GET EXA BTV OUT	: Get Ex-Audio Output bind to Output		=		
GET OUTS EDID DATA : Get Output & EDID DATA(x=[1-2]) GET OUTS TRREAM : Get Output & Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Audio Muto Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Mutor Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Mutor Status(x=[0-2](0=ALL)) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID IN IN INFORMANT D. COLUMENT D. Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V DATA : Get Input & EDID (n=0.8](0=ALL) = [0-3](0=ALL) = [=	GET SWITCH MODE	: Get Output1 Video Mode		=		
GET OUTS EDID DATA : Get Output & EDID DATA(x=[1-2]) GET OUTS TRREAM : Get Output & Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Audio Muto Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Mutor Status(x=[0-2](0=ALL)) GET OUTS TRREAM : Get Output & Mutor Status(x=[0-2](0=ALL)) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) SET IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V : Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID IN IN INFORMANT D. COLUMENT D. Set Input & EDID (n=0.8](0=ALL) = [0-32]) Set IN EDID V DATA : Get Input & EDID (n=0.8](0=ALL) = [0-3](0=ALL) = [•	(0=ALL)}	=		
GET OUTY STREAM : Get Output X Adio Mark Status (x=[0-2](0=ALL)) = GET OUTY AH MUTE : Get HOM Youpput X Adio Mark Status (x=[0-2](0=ALL)) = Input Setup Commands: (Note: Input number(x)=HDMI(x),x=1-8) = SET TIN EDDD P. 2CH(PCM) : Set Input X EDDC (0=0)(0=ALL) P. (10=A2L) : 2:1000 P. BCH = - : Set Input X EDDC (0=0)(0=ALL) P. (10=A2L) : 2:1000 P. BCH = - : Set Input X EDDC (0=0)(0=ALL) P. (10=A2L) : 2:1000 P. BCH = : Set Input X EDDC (0=A)(0=ALL) P. (10=A2L) : 2:1000 P. BCH : 3:1000 P. 2CH(PCM) = : Set Inve SDD C (PCM) HDR : 1:3:1000 P. SD (CH HDR : 2:1000 P. SCH HDR = : 1:2:1000 P. SCH (PCM) HDR : 1:10:100 P. SCH (PCM) HDR : 2:10:200 P. SCH HDR = : 3:10:200 P. CH (PCM) HDR : 2:10:200 P. CH HDR : 2:10:200 P. SCH HDR = : 3:10:200 P. CH (PCM) HDR : 2:10:200 P. CH HDR : 2:10:200 P. SCH HDR : 3:10:200 P. SCH (PCM) HDR : 2:10:200 P. CH HDR : 2:10:200 P. CH HDR : 3:10:200 P. CH (PCM) HDR : 2:10:200 P. CH HDR : 2:10:200 P. CH HDR : 3:10:200 P. CH (PCM) HDR : 2:10:200 P. C	_				=		
GET COUTS HA MUTE : Get HDML Output x Audio Mute Statistics [0-2](0=ALL)) Input Setup Commands: (Nets: Input number(x)=HDML(x),x=1-8) SET INE EDD y 0 CLIPCPI) : Set Input SUD (x=0.4) 1 Station 2 D 2CH(PCH) : Set Input SUD (x=0.4) 9:4660H(Y420) 3D 2CH(PCH) : Set Input SUD (x=0.4) 9:4760H 20:50 : Set Input SUD (x=0.4) 9:4760H 20:50 : Set Input SUD (x=0.4) 9:4760H 20:50 : Set Input SUD (x=0.4)				ALL)3	=		
Input Setup Commands: (Note: Input number(x)=HOMI(x),x=1-8) SET TINE EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set TINE EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y : Set Input x EDID (x=[0-8][0-ALL) y=[0-32]] Set Tink EDID y DATA : Set Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Get Tink EDID Y OATA : Get Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bet (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bot (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y Bot (x=[0-8][0-ALL) y=[1-3]] Set Tink EDID Y OATA : Get Input x EDID y=[0-3] Set Tink EDID Y OAT			· · · · · ·	<i>,,</i>	=		
Input Setup Commands: (Mote: Input number(x)=HOM(x),x=1-8) SFT INK EDD y :Set Input XEDD(x=0.0%[0=ALL), y=[0-32]) :Store Command: :Set Input XEDD(x=0.0%[0=ALL), y=[0-32]) :Store Command: :Set Input XEDD(x=0.0%[0=ALL), y=[0-32]) :Store Command: :Store Command: :Store Command: :Store Command: <td:store command:<="" td=""> :Store Command:</td:store>	E		. Set INPIT Output & Audio Plate Status X-[0~2](0-		- =		
SET TIVE EDID y : Set Input x EDID (r=[0-8](0=ALL), y=[0-32]) ::1080P_3D_2CH(PCM) 1::080P_3D_6CH 5::1080P_3D_6CH ::04430Hz_3D_2CH(PCM) 1::080P_3D_6CH 5::1080P_3D_6CH ::0540P_3D_5CH(PCM) 1::080P_3D_6CH 5::1080P_3D_6CH ::0540P_3D_5CH(PCM) 1::0480P_3D_6CH 8::4430Hz_3D_5CH ::0540P_3D_5CH(PCM) 1::0480P_3D_6CH 1::4460Hz(Y420)_3D_6CH ::0540P_3D_3CH(PCM) 1::0480P_3D_6CH, HDR 2::050P_3D_6CH, HDR ::0540P_3D_3CH(PCM), HDR 1::0580P_3D_6CH, HDR 2::0480Hz(320)_3D_6CH, HDR ::0540F_3D_3CH(PCM), HDR 2::4450Hz(30)_6CH, HDR 2::4450Hz(30)_3D_6CH, HDR ::0540F_3D_2CH(PCM), HDR 2::4450Hz(30)_3D_6CH, HDR 2::4450Hz(30)_3D_6CH, HDR ::0540F_3D_2CH(PCM), HDR 2::4450Hz(30)_3D_6CH, HDR 2::4450Hz(30)_3D_6CH, HDR ::05470HZ(PCM) ::05470HZ(PC0)_1EDD To Intat X[USERL]EDID 2::4450Hz(30)_3D_6CH, HDR ::05170HZ(PC0)_1DT :0c0y Output X EDD Index[1](*:01](*:	E	Innut Setun Commande:	(Note: Input number(x)-UDMI(x) x-1_0)				
					=		
3:1080P 3D 2CH(PCM) 4:1080P 3D 6CH 5:1080P 3D 6CH 6:44:2014: 3D 2CH(PCM) 7:44:2014: 3D 6CH 8:44:2014: 3D 6CH 9:4K60H(Y420): 3D 2CH(PCM) 10:4K60H(Y420): 3D 6CH 11:4K60H(Y420): 3D 8CH = 15:1080P 3D 2CH(PCM) 10:4K60H(Y420): 3D 6CH 11:4K60H(Y420): 3D 8CH = 15:1080P 3D 2CH(PCM) 10:1080P 3D 6CH 11:4K60H(Y420): 3D 8CH = 15:1080P 3D 2CH(PCM) 10:1080P 3D 6CH NR 2:14K30H: 3D 2CH(PCM) = 21:4K30H: 3D 2CH(PCM) 10:1080P 3D 6CH NR 2:4K60H(Y420): 3D 8CH = 24:4K60H(Y420): 3D 2CH(PCM) 2:4K40H: 2D 10: 5D (KCH, Y2D 2D 3D 8CH NR = 2:4K40H: 3D 2CH(PCM) 10:2K400H(Y2D 2D 3D 8CH NR = 2:4K40H: 3D 2CH(PCM) 2:4K400H: 2D 3D 6CH 2:4K40H: 2D 2D 10E (KCH, Y2D 2D 2D Y2H) = 5ET INE 1DD UP 0ATA : Cony Orbity P 1D 10: 2D (KCH, Y2D 2D 2D Y2H) 2:0HCH 2D (Y2H) = SET INF XXXXXXXXXXX : SET NHC XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				5-10005 00U	=		
6.4430Hz_3D_2CH(PCH) 7.4430Hz_3D_6CH 8.4430Hz_3D_6CH 9.4450Hz/32D_3D_2CH(PCN) 10.3460Hz/420_3D_6CH 11.4460Hz/3D_3D_5CH 1 15.1060P_2CH(PCN) 10.3460Hz/420_3D_6CH 11.4460Hz/3D_3CH 1 15.1060P_2CH(PCN) 10.1060P_3D_6CH 10.71060P_3D_6CH, HDR 2 21.4440Hz_3D_2CH(PCN) 10.1060P_3D_6CH, HDR 20.1060P_3D_8CH, HDR 2 21.4410Hz_3D_2CH(PCN) 10.2244420Hz_3D_5CH, HDR 20.4460Hz(1420)_3D_6CH, HDR 2 21.4410Hz_3D_2CH(PCN) 10.2244420Hz_3D_6CH, HDR 22.44460Hz(1420)_3D_6CH, HDR 2 21.4410Hz_3D_2CH(PCN) 10.2244420Hz_3D_6CH, HDR 22.4460Hz(1420)_3D_6CH, HDR 2 21.4410Hz_3D_2CH(PCN) 10.2244420Hz_3D_6CH, HDR 22.4460Hz(1420)_3D_6CH, HDR 2 21.4410Hz_3D_2CH(PCN) 10.244450Hz_3D_6CH, HDR 22.4460Hz(1420)_3D_6CH, HDR 2 30.458Hz_1CBD 22.4450Hz_4CB(16ALL) 21.458Hz_1CB(10D_14E) SET INF DDD CY OUTPLY 10.0740Hz(1420)_3D_6CH, HDR 22.4460Hz_1CA20 SET INF DDZ CHORTA 10.14414EDID Tolatel (14.458L_10-16)(16ALL) 21.458Hz_1CB(10-16)(16ALL) GET INK EDID CHORTA 10.5416Hz(140Hz(140Hz)	=	- 、 ,	—		=		
9:4KG0Hz(Y420)_50.2CH(PCM) 10:4KG0Hz(Y420)_50.CCH 11:4KG0Hz(Y420)_50.CCH 1:2:4KG0Hz, 20.2CH 13:3KG0Hz, 20.2CH 11:4KG0Hz(Y420)_50.CCH 1:5:1050P_30.2CH(PCM)_HDR 15:1050P_30.2CH(PCM)_HDR 10:1050P_30.2CH(PCM)_HDR 2:1:4K30Hz, 3D.2CH(PCM)_HDR 2:3:4K30Hz, 3D.6CH, HDR 2:3:4K30Hz, 3D.6CH, HDR 2:1:4K30Hz, 3D.2CH(PCM)_HDR 2:3:4K30Hz, 3D.6CH, HDR 2:3:4K60Hz(Y420)_3D.6CH, HDR 2:1:4K30Hz, 3D.2CH(PCM)_HDR 2:3:4K60Hz(Y20)_3D.6CH, HDR 2:3:4K60Hz(Y20)_3D.6CH, HDR 3:0:USERL_EDID 3:0:USERL_EDID 3:0:USERL_EDID 3:0:USERL_EDID 3:0:USERL_EDID : Get Input x DID To Input x USERL BUF/x=[:0:0*](0=ALI), y=[:0-3], z=[:DID Data]) : Get Input x DID To Input x USERL BUF/x=[:0:0*](0=ALI), y=[:0-3], z=[:DID Data]) : GET INK EDID Y DATA : Get Input x EDID To Input x USERL BUF/x=[:0:0*](0=ALI), y=[:0-3], z=[:DID Data]) : GET INX EDID Y DATA : Get Input x EDID To Input x USERL BUF/x=[:0:0*](0=ALI), y=[:0-3], z=[:DID Data]) : GET INK EDID Y DATA : Set HOMT IP Address to xxx.xxx.xxx : Set FIGH Y : Get Input x EDID Y DATA(z=[:0:0*](0=ALI), y=[:0-3], z=[:DID Data]) : GET INX EDID Y DATA : Set HOMT IP Address to xxx.xx.xxx : Set INF Mask to xxx.xxx.xxx : Set INF Mask to xxx.xxx.xxxx : Set INF Mask to xxx.xxx.xxx <t< td=""><td></td><td></td><td></td><td></td><td>=</td></t<>					=		
12:4K60HZ_3D_2CH 13:4K60HZ_3D_2CH 14:4K60HZ_3D_2CH 15:1060P_2CH(PCM)_HDR 10:1000P_3D_2CH(PCM)_HDR 20:1080P_3D_2CH,HDR 21:4K40HZ_3D_2D_CH(PCM)_HDR 19:1080P_3D_2CH,HDR 20:1080P_3D_SCH,HDR 22:4K40HZ_3D_2D_CH(PCM)_HDR 22:4K30HZ_3D_CCH,PDR 20:4K00HZ(3D_3D_SCH,HDR 27:4K60HZ_3D_2CH(PCM)_HDR 22:4K30HZ_3D_CCH,PDR 28:4K60HZ_3D_SCH,HDR 30:05ER1_EDID 31:05ER2_EDID 32:05ER3_EDID SET INK EDID CY OUTY :Copy output y EDID To Input XUSERI SUP(X=[0-8](0=ALL) y=[1-3],x=[EDID Data]) GET INK EDID VATA :Write EDID To User y Buffer of Input X(x=[0-8](0=ALL) y=[1-3],x=[EDID Data]) GET INK EDID VATA :Get Input X EDID To Indux (X=[0-8](0=ALL)) GET INK EDID YATA :Get Input X EDID To Atx(x=[0-8](0=ALL)) GET INK EDID YATA :Set Neth IP Address to xxxxxxxx SET HD YXXXXXXXX :Set Neth IP Address to xxxxxxxx SET INK EXALVANAXXXXX :Set Neth IP Address to xxxxxxxx SET INF XXXXXXXXX :Set Neth IP Address to xxxxxxxx SET INF XXXXXXXXX :Set Neth IP Address to xxxxxxxxX SET INF XXXXXXXXXX :Set Net Neth XAddress GET TINK :Get NACA 4dress GET TINK	=	` ` ` `		————————————————————	=		
13:1030P_2CF(PCM)_HDR 16:103PP_SCF(HPCM)_HDR 17:1030P_SCF(HPCM)_HDR 21:4K30Hz_3D_2CF(PCM)_HDR 22:4K30Hz_3D_SCF(HDR 22:4K30Hz_3D_SCF(HDR 21:4K30Hz_3D_2CF(PCM)_HDR 22:4K30Hz_3D_SCF(HDR 23:4K60Hz(420_)_SCF(HDR 21:4K30Hz_3D_2CF(PCM)_HDR 22:4K30Hz_3D_SCF(HDR 23:4K60Hz(420_)_SCF(HDR 30:USER_EDD 30:USER_EDD 32:USER3_EDD 30:USER_EDD 30:USER3_EDD 32:USER3_EDD GET INK EDD UY OUTY : Copy Output y EDD To Input x(USER1 BUF)/x=[0~8](0=ALL), y=[1~3],z=[EDID Data]) = GET INK EDID UY DATA : Write EDI To Usery Buffer of Input x(x=[0~8](0=ALL)) = GET INK EDID VDATA : Get Input x EDID P data(x=[16],z=[0~3](0=ALL), y=[1~3],z=[EDID Data]) = SET INF XXXXXXXXXXXX : Get Input x EDID P data(x=[16],z=[0~3](0=ALL), y=[1~3],z=[EDID Data]) = SET INF XXXXXXXXXXXXX : Get Input x EDID P data(x=[16],z=[0~3](0=ALL), y=[1~3],z=[EDID Data]) = SET INF XXXXXXXXXXXX : Get Input x EDID P data(x=[16],z=[0~3](0=ALL), y=[1~3],z=[EDID Data]) = SET INF XXXXXXXXXXXXX : Get Input x EDID P data(x=[16],z=[0~3](z=ALL), y=[1~3],z=[EDID Data]) = SET INF XXXXXXXXXXXXX : Get Input x Edit P Address =					=		
Is:1080P_3D_2CH(PCM)_HDR 19:1080P_3D_6CH_HDR 20:1080P_3D_6CH_HDR 21:44K3DHz_3D_CCH(PCM)_HDR 22:44K9CH_2D_42_3_0_CCH_HDR 23:44G0Hz(Y420_3_0_SCH_HDR 22:44K9CHZ(Y420_3D_3CH(PCM)_HDR 23:44G0Hz(Y420_3_0_SCH_HDR 23:44G0Hz(Y420_3_0_SCH_HDR 23:44G0Hz(Y420_3D_3CH(PCM)_HDR 23:44G0Hz(Y420_3_0_SCH_HDR 23:44G0Hz(Y420_3_0_SCH_HDR 30:USERI_EDID 31:USER2_EDID 32:USER3_EDID SET INK EDID UY OUTY : Copy Output y EDID To Input x(USER1 BUF){x=[0~8](0~4LL), y=[1~3],z=[EDID Data]} GET INK EDID VDATA : Write EDID To User y Buffer of Input x(x=[0~60-ALL)) GET INK EDID VDATA <td: data]}<="" edid="" get="" input="" td="" x="" x(x="[0~60-ALL)," y="[1~3],z=[EDID"> GET INK EDID VDATA : Set TRIP xx=xxxxxxxx Network Setup Command: : (xxx=[000-253), zzz=[0001-9999] SET RIP XXXXXXXXXX : Set TRIP xx=xxxxxXXXXX SET TIP XXXXXXXXXX : Set TRIP xx=xxxxXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</td:>	=	12:4K60HZ_3D_2CH	13:4K60HZ_3D_6CH	14:4K60HZ_3D_8CH	=		
21:44X30H2_3D_2CH(PCM)_HDR 22:44X30H2_3D_2CH(PCM)_HDR 22:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_HDR 23:44X30H2_3D_3CH(PCM)_SD_3CH(PCM)_		15:1080P_2CH(PCM)_HDR	16:1080P_6CH_HDR	17:1080P_8CH_HDR	=		
24:44K60Ht2(Y420) 3D. ŻCH(PCM), HDR 25:44K60Ht2(Y420) 3D. ŻCH, HDR 26:44K60Ht2(Y420) 3D. ŚCH, HDR 30:USER1_EDID 31:USER2_EDID 32:USER3_EDID 31:USER2_EDID 32:USER3_EDID 32:USER3_EDID 5FT INK EDID CY OUTY : Copy Output y EDID To Input x(X)ERI BUF}(x=[0-a8](0=ALL), y=[1-3],z=[EDID Data]) 5 6FT INK EDID VDATA : Get Input x EDID Indek(x=[0-a8](0=ALL)) 5 6FT INK EDID VDATA : Get Input x EDID VData(x=[1-a8],y=[0-32]) 5 7 : Get Input x EDID VData(x=[1-a8],y=[0-32]) 5 7 : Get Input x EDID Y Data(x=[1-a8],y=[0-32]) 5 7 : Get Input x EDID Y Data(x=[1-a8],y=[0-32]) 5 7 : Get Input x EDID Y Data(x=[1-a8],y=[0-32]) 5 7 : Get Note PA ddress to xxx.xxxx : S 8 : Get Note PA ddress : Get Note PA ddress : Get Note PA ddress 8 : Get TIP : Get Note PA ddress : Get Note PA ddress : Get Note PA ddress 6 : Get Note S : Get Note S : Get Note S : Get Note PA ddress 6 : Get Note S : Get Note S : Get Note S <	=	18:1080P_3D_2CH(PCM)_HDR	19:1080P_3D_6CH_HDR	20:1080P_3D_8CH_HDR	=		
= 27-4KG0Hz, 3D, 2CH(PCM), HDR 28:4KG0Hz, 3D, SCH, HDR 39:4KG0Hz, 3D, SCH, HDR 30:USER2, EDID 31:USER2, EDID 32:USER3, EDID SFT INK, EDID CY OUTY : Copy Output y EDID To Input X(USER3, EUK, r=[0-8](0=ALL), y=[1-2]). 32:USER3, EDID SFT INK, EDID UY DATA : Write EDID To USER2, EDID HDM X(X=[0-8](0=ALL), y=[1-2]). 32:USER3, EDID = GET INK, EDID Y DATA : Get Input X EDID Index(x=[0-8](0=ALL), y=[1-2]). 32:USER3, EDID = GET INK, EDID Y DATA : Get Input X EDID Jndex(x=[0-8](0=ALL), y=[1-3], z=[EDID Data]). 32:USER3, EDID = GET INK, EDI Y DATA : Get Input X EDID Y Data(x=[0-8](0=ALL), y=[1-3], z=[EDID Data]). 32:USER3, ZEDID = GET RIP XXXXXXXXXXXX : Set HOL Y DATA : Set HOL Y DATA = GET NAK : Set HOL Y DATA : Set HOL Y DATA = SET TIP XXXXXXXXXXXXX : Set HOL Y DATA : Set HOL Y DATA = SET TIP XXXXXXXXXXXXXXX : Set HOL Y PA(Taces to XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	=	21:4K30Hz 3D 2CH(PCM) HDR	22:4K30Hz_3D_6CH_HDR	23:4K30Hz_3D_6CH_HDR	=		
27-4KG0Hz, 3D, 2CH(PCM), HDR 28:4KG0Hz, 3D, SCH, HDR 29:4KG0Hz, 3D, SCH, HDR 30:USER2, EDID 31:USER2, EDID 32:USER3, EDID SFT INK, EDID CY OUTY : Copy Output y EDID To Input X(USER3, EUF) 32:USER3, EDID SFT INK, EDID UY DATA : Write EDID To Input X(USER3, EUF) 32:USER3, EDID GET INK, EDID UY DATA : Get Input X EDID Index(q=[0-8](0=ALL), y=[1-3],z=[EDID Data]) 53:USER3, EDID GET INK, EDID Y DATA : Get Input X EDID Judex(q=[0-8](0=ALL), y=[1-3],z=[EDID Data]) 55: GET INK, EDID Y DATA : Get Input X EDID Y Data(x=[1-8],y=[0-32]) 55: Metwork Setup Command: : (xxx=[000-255],zzzz=[0001-9999] 55: SET TIP XXXXXXXXXXXXX : Set HOT P Address to XXXXXXXXXXX 55: SET TIP Zzz : Set TO/IP Port ozzz 55: SET TIP ZZZ : Set DHCP (y=[0-1](0=Dis,1=Enable)) 55: GET TIMK : Get TO/IP Port 56: GET TIMK : Get CP/IP Port 56: GET TIMA C : Get HOMI1/HDMI2 Output Ata Mode Control Enable/Disable 56: GET MAC : Get HOMI1/HDMI2 Output Ata (Mode Control Status 56: GET IN XYS : G	=	24:4K60Hz(Y420) 3D 2CH(PCM) HDR	25:4K60Hz(Y420) 3D 6CH HDR	26:4K60Hz(Y420) 3D 8CH HDR	=		
30:05ER1_EDD 31:05ER2_EDD 32:05ER3_EDD SFT INK EDID CY OUTY : Copy Output y EDD To To Input x(x):ESR1 BUF}{sc1(->6](0=ALL), y=[1-3],z=[EDID Data]} SFT INK EDID VDATA : Write EDID To User y Buffer of Input x(x):0=8](0=ALL), y=[1-3],z=[EDID Data]} GFT INK EDID YDATA : Get Input x EDID YData(x=[1->8],y=[0->32]) GFT INK EXXXX.XXXXXXX : Set Input x EDID YData(x=[1->8],y=[0->32]) THEWOR'S Etup Command: : (xx=[000-255],zzzz=[0001-9999] SFT INK XXXX.XXXXXXXX : Set InPut XXXX.XXXXXXXXX SFT INK XXXX.XXXXXXXX : Set InPut XXXX.XXXXXXXXX SFT INF XXXXX.XXXXXXXX : Set INF PAddress to XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					=		
s SFT INK EDID CY QUTY : Copy Output y EDID To Input x(USER1 BUF)x=[0-8](0-8LL), y=[1-3]). s GFT INK EDID UP DATA : Get Input x EDID Index(x=[0-8](0-8LL), y=[1-3],z=[EDID Data]). s GFT INK EDID y DATA : Get Input x EDID Index(x=[0-8](0-8LL), y=[1-3],z=[EDID Data]). s GFT INK EDID y DATA : Get Input x EDID y Data(x=[1-8],y=[0-32]). s GFT INK EDID x Coxxx xxx xxx : Set Rolt P Address to xxx.xxx.xxx.xxx s SFT HP xxx.xxx.xxx xxx : Set Net Mask to xxx.xxx.xxx.xxx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xxx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xxx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xxx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xx s SFT HP xxx.xxx.xxx : Set Net Mask to xxx.xxx.xxx.xx s GFT HIP : Get Net Mask to xxx.xxx.xxx.xx s GFT HIP : Get Net Mask to xxx.xxx.xxx.xx s GFT HIP : Get Net Mask to xxx.xxx.xxx.xx s GFT HIP : Get Net Mask to xxx.xxx.xxx.xx s GFT HIP : Get MCP (y=0^{-1}[(0-1](0-1](1-1)(1-1)(1-1)(1-1)(1-1)(1-1)(1-1)(1					=		
<pre>s SET TINE EDID Up DATA2</pre>					=		
■ GET INK EDID : Get Input x EDID Todes{x=[0~8](0~8](0~41); ■ GET INK EDID y DATA : Get Input x EDID y Data{x=[1~8]y=[0~82]; ■ GET INK EDID y Data : Get Input x EDID y Data{x=[1~8]y=[0~82]; ■ Network Setup Command: : (xx=[000-255], zzz=[0001-9099] = SET HIP XXX.XXX.XXX : Set Note IP Address to XXX.XXX.XXX : = SET HIP XXX.XXX.XXXX : Set Note IP Address to XXX.XXX.XXX : = SET INK XXX.XXXXXXXX : Set Note IP Address to XXX.XXX.XXX : = SET INK XXX.XXXXXXXXX : Set Note IP Address : = SET INK XXXXXXXXXXXXXXXX : Set NOTE IP Address : = GET NIP : Get Note IP Address : = GET NIP : Get Note IP Address : = GET NIP : Get TOP/IP Port : = GET NIP : Get TOP/IP Port : = GET NIK : Get MAC Address : = GET HDX AUTO EN/DIS : Set HDM11/HDM12 Output Enter Auto Mode Control Enable/Disable : = GET NIX Ny CDE X2 : Set IR System Code {xx=[00~FFH],yy=[00~FFH] : = GET IR SYS : Get IR Data Code {x=[-2],y[-1~8],zz=(HDM12 Output)} : = GET IR SYS XX.YY : Set IR Data Code {x=[-2],y[-1~8],zz					=		
= GET INK EDID y DATA : Get IDID y Data(x=[1~8],y=[0~32]) = Network Setup Command: : (xxx=[000-255],zzz=[0001-9999] = SET RIF Xxx,xxx,xxx : Set Route IP Address to xxx,xxx,xxx = SET HIP pxx,xxx,xxx,xxx : Set Note IP Address to xxx,xxx,xxx = SET INK Xxx,xx,xxx,xxx : Set Note IP Address to xxx,xxx,xxx = SET INK Xxx,xx,xxx,xxx : Set Note IP Address to xxx,xxx,xxx = SET INF xxx,xx,xxx,xxx : Set Note IP Address to xxx,xxx,xxx = SET INF Xxx,xx,xxx,xx : Set Note IP Address to xxx,xxx,xxx = SET INF Xxx,xx,xxx,xx : Set Note IP Address = GET NIP : Get Route IP Address = GET NIRK : Get Not IP Address = GET TIP : Get Not IP Address = GET TIP : Get Not IP Address = GET NIK : Get Not IP Address = GET NIC : Get Mack Address = GET NAC : Get HOMI1/HDMI2 Output),x=1(HOMI1 Output),x=2(HDMI2 Output)) = Mato Mode: : Set HOMI1/HDMI2 Output,x=1(HOMI1 Output),x=2(HDMI2 Output)) = GET NAC : Set IR System Code (x=[100~FH]) = GET IR SYS xx,yy : Set IR Data Code (x=[100~FH]),y=[10~8],zz=(100~FH] = GET IR OVT INY CODE zz : Set IR Data Code (x=[100~2],y[1~8],zz=2(100~FH]) <				// / [= =]/= [EBIB Baca]/	=		
Instruction Setting Command: : (xxx=[000-255],zzz=[0001-9999] = SET RIP xxx.xxxxxxxxx : Set Note IP Address to xxx.xxx.xxx = SET RIP xxx.xxx.xxx : Set Note IP Address to xxx.xxx.xxx = SET INF xxx.xxx.xxx : Set Note IP Address to xxx.xxx.xxx = SET INF xxx.xx.xxx : Set Note IP Address to xxx.xxx.xxx = SET INF xzzz : Set TCP/IP Port to zzzz = GET RIP : Get Route IP Address = GET NIK : Get Note IP Address = GET NIF : Get TCP/IP Port to zzzz = GET NIK : Get Note IP Address = GET NIK : Get TCP/IP Port = GET NIK : Get TCP/IP Port = GET MAC : Get MAC Address = GET NDC EN/DIS : Set HOMI1/HOMI2 Output).x=1(HOMI1 Output).x=2(HDMI2 Output)) = GET NAC : Get NOME = GET NAC : Get HOMI1/HOMI2 Output hato Mode Control Enable/Disable = GET MAC : Get HOMI1/HOMI2 Output hato Mode Control Enable/Disable = GET HDX AUTO : Get IR System Code (x1=[-2],y=[1~8],zz=[000~FFH] = GET IR SYS xx.yy : Set IR Data Code (x1=[-2],y=[1~8],zz=[000~FFH] = SET IR OVIX INY CODE : Get IR Data Code (x1=[-2],y=[1~8],zz=[000~FFH]					=		
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RS-232 Wiring Diagram: RS-232 CABLE FOR AVPRO EDGE

IN ORDER TO CONNECT YOUR COMPTER TO THE SWITCH 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 to any computer





Maintenance

To ensure reliable operation of this product as well as protecting the safety of any person using or handling this device while powered, please observe the following instructions.

- Use the power supplies provided. If an alternate supply is required, check voltage, polarity and that it has sufficient power to supply the device it is connected to.
- Do not operate these products outside the specified temperature and humidity range given in the above specifications.
- Ensure there is adequate ventilation to allow this product to operate efficiently.
- Repair of the equipment should only be carried out by qualified professionals as these products contain sensitive components that may be damaged by any mistreatment.
- Only use this product in a dry environment. Do not allow any liquids or harmful chemicals to come into contact with these products.
- Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Damage Requiring Service

The unit should be serviced by qualified service personnel if:

- The DC power supply cord or AC adaptor has been damaged
- Objects or liquids have gotten into the unit
- The unit has been exposed to rain
- The unit does not operate normally or exhibits a marked change in performance
- The unit has been dropped or the housing damaged



Support

Should you experience any problems while using this product, first, refer to the Troubleshooting section of this manual before contacting Technical Support. When calling, the following information should be provided:

- Product name and model number
- Product serial number
- Details of the issue and any conditions under which the issue is occurring

Warranty

If your product does not work properly because of a defect in materials or workmanship, AVProEdge (referred to as "the warrantor") will, for the length of the period indicated as below, (Parts/Labor (10) Years), which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor. During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

This warranty extends to products purchased directly from AVPro or an authorized dealer. AVPro is not liable to honor this warranty if the product has been used in any application other than that for which it was intended, has been subjected to misuse, accidental damage, modification or improper installation procedures, unauthorized repairs or is outside of the warranty period. Please direct any questions or issues you may have to your local dealer before contacting AVPro.



Troubleshooting

- 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 4K60 3D
 2ch HDR. Try another canned EDID Pg.8, 10, and 11
 - Try another canned EDID or use the COPY FROM OUTx command to copy the connected devices EDID - Pg.8, 10, and 11
- Issues with 4k but 1080 or less working
 - o Verify all connected devices and ports are capable of the signal you are sending

TYPE	RESOLUTION	FRAME RATE (FPS)	COLOUR Compression	DEEP COLOUR BIT DEPTH	HDR	WIDE COLOR Gamut (Bt2020)	HDMI VERSION	DATA RATE	AUHD SERIES	444 SERIES	UHD Series
HD	1920x1080	24	4:2:2	8 BIT	NO	NO	1.4	0.75 GBPS	YES	YES	YES
HD	1920x1080	60	4:2:2	8 BIT	NO	NO	1.4	4.45 GBPS	YES	YES	YES
HD	1920x1080	60	4:4:4	16 BIT	NO	NO	1.4	5.91 GBPS	YES	YES	YES
UHD	3840x2160	24	4:2:0	8 BIT	NO	NO	1.4	8.91 GBPS	YES	YES	YES
UHD	3840x2160	24	4:4:4	8 BIT	NO	NO	1.4	8.91 GBPS	YES	YES	YES
4K	4096x2160	24	4:4:4	8 BIT	NO	NO	1.4	8.91 GBPS	YES	YES	YES
UHD OR 4K	3840x2160	60	4:2:0	8 BIT	NO	NO	1.4/2.0	8.91 GBPS	YES	YES	YES
				LINE O	F INNO	VATION					
UHD OR 4K	3840x2160	24	4:2:0	10 BIT	YES	YES	2.0(A/B)	8.91 GBPS	YES	YES	YES
UHD OR 4K	3840x2160	24	4:2:2	12 BIT	YES	YES	2.0(A/B)	11.14 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	24	4:4:4	10 BIT	YES	YES	2.0(A/B)	11.14 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	24	4:4:4	12 BIT	YES	YES	2.0(A/B)	13.37 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	60	4:2:0	10 BIT	YES	YES	2.0(A/B)	11.14 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	60	4:2:0	12 BIT	YES	YES	2.0(A/B)	13.37 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	60	4:2:2	12 BIT	YES	YES	2.0(A/B)	17.82 GBPS	YES	YES	NO
UHD OR 4K	3840x2160	60	4:4:4	8 BIT	YES	YES	2.0(A/B)	17.82 GBPS	YES	YES	NO







Thank you for choosing AVProEdge!

Please contact us with any questions. We are happy to be of service!





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