

User Manual

AC-MX42-AUHD

18 Gbps True 4K60 4:4:4 8x8 HDMI Matrix w/ Dual Audio De-Embedding, Scaling, and **Auto-Switching**





The AC-MX42-AUHD is a true 4x2 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-MX42-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 2)
- 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)
- 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

Easy to use:

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

In The Box:

- AC-MX42-AUHD Matrix Switch
- IR Remote Control
- 5V Locking Power Supply
- 3-Pin Terminal Block
- Mounting Ears

Quick Installation:

- 1. Connect the HDMI input sources (Blu-ray, Set Top Box, etc...) to the AC-MX42-AUHD.
- Connect the HDMI output devices (AVR, Display, Distribution Amplifier, Extender) to the AC-MX42-AUHD.
- 3. Power on the sources.
- 4. Connect the power supply into the AC-MX42-AUHD.
- 5. Turn on output devices/displays.
- Use the front panel controls, supplied IR remote or free LAN (IP: 192.168.001.239) to control the matrix.



Rear Panel Overview:

Video:				
Video Resolutions	Up to 4K 60Hz 4:4:4			
VESA Resolutions	Up to DCI 4K (4096x2160) 5K (up to 5120x3200)			
	420, 422, 444 (10 and 12 Deep Color)			
HDR Formats/Resolutions	HDR10, HDR10+, Dolby Vision, HLG			
TIDIT OTHER DYNESOIGNOTS	YUV (Component), RGB			
Color Space	(CSC: Rec. 601, Rec. 709, BT2020, DCI, P3 D6500)			
Chroma Subsampeling	4:4:4, 4:2:2, 4:2:0 Supported			
Deep Color	Up to 16 bit (1080), Up to 12 bit (4K)			
Audio:	op to 10 bit (1080), op to 12 bit (4K)			
Addio.	PCM 2.0 Ch, LPCM 5.1 & 7.1, Dolby Digtal, DTS 5.1,			
Audio Formats Supported HDMI	Dolby Digital Plus, Dolby TrueHD, DTS-HD Master			
Audio Formats Supported Holvii	Audio, DTS-X, Dolby Atmos			
Audio Formats Supported Extracted (Toslink)	PCM 2 Ch, LPCM 6 Ch, LPCM 7 Ch, Dolby Digital, Dolby			
	Digital Plus, DTS-HD Master Audio			
Audio Formats Supported Extracted (2CH Port)	PCM 2 CH			
Audio Extraction Location	Follows Output (Selectable)			
Distance:				
HDMI In/Out (4K60 4:4:4)	Up to 50 Feet (using Bullet Train HDMI)			
HDMI In/Out (w/ AOC Cable) (4K60 4:4:4)	Up to 130 Feet (using Bullet Train AOC)			
Other:				
Bandwidth	18 Gbps			
HDCP	HDCP 2.2 and Earlier			
Control:				
Ports	LAN, RS232, IR Window			
LAN WebOS	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:	pin terminal brook			
Operating Temprature	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:	5 5070 MT (NO CONDENSATION)			
Power Consumption (Total)	7 Watts Max			
	Input: AC 100-240V ~ 50/60Hz			
Power Supply - Matrix	Output: DC 5V 2A			
Dimensions:	Odiput. De 3V ZA			
Dimensions:	mm: 20.5 x 94 x 232.98			
Dimensions (Unit Only Height/Depth/Width)	inch: .9 x 3.7 x 9.17			
	mm: 76.2 x 184.1 x 317.5			
Dimensions (Packaged Height/Depth/Width)				
Dimensions (Packaged Height/Depth/Width)	inch: 3 x 7.25 x 12.5			
Rack Units	Table Top - or Mounting Ears			



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
 - 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.
 - o 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 see EDID section of manual



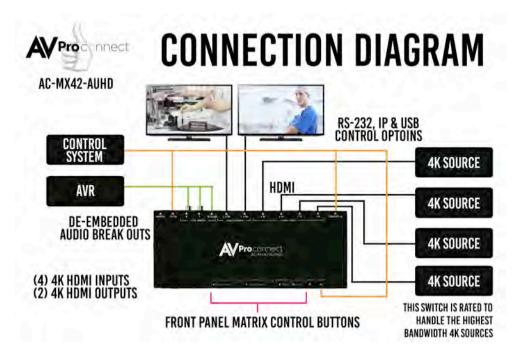
Rear Panel Overview:

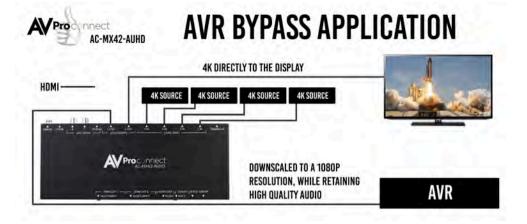
NOTES:

- 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
 - o Analog supports only 2CH PCM. If a higher codec is coming in, it will be silent (Only Toslink will work)











Auto Switching Logic:

When the AC-MX42-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-MX42-AUHD, it automatically switches to that input.
- 2. When an active source device is disconnected, the AC-MX42-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.

- 2CH Analog Port Supports 2CH PCM audio only, which is ideal for 2 Channel systems and zoned audio systems.
- 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-MX42-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 abck to 192.168.001.239



Audio Wiring Diagram:



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.)

- 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.
- 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.
- 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.
- NOTE 2: We have a video available online or upon request if desired. Contact us or request at support.avproconnect.com

Use the chart below to pick your EDID:

	A	C-MX	42-AUI	HD From	nt Pane	el EDID	Settings
The LED Status: 0(OFF) 1(ON)							
LED Number	(OUT2)I N1	(OUT2)I N2	(OUT2)I N3	(OUT2)I N4	Audio LED	Scaler LED	EDID
Engort Hope o	(6) (DMI)	. 10000	10034	IA HDM	(n ED(I)	Samuel	hagari (180 ann seigh sea) (180 a 1820)
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	D	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	0	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	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 5CH 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	1	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	4	34:Copy Output2 EDID To Input



Web Interface: Switching

Use this page to switch between inputs and outputs, set the Output 1 Scaler and manage Audio from the web interface.

Default IP = 192.168.001.239



Sense Switch:

Use this area to route inputs to outputs

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.

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 9Audio always will follow one output, this means the sudio 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



Web Interface: EDID Manage Default IP = 192.168.001.239



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.

The EDID options are:

16.1080P_6CH_HDR

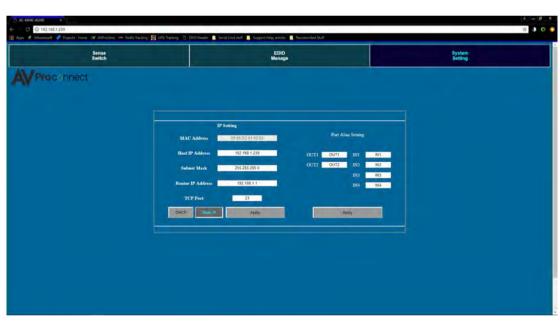
0. 1080P 2CH	17.1080P 8CH HDR
1. 1080P 6CH	18.1080P 3D 2CH HDR
2. 1080P 8CH	19.1080P 3D 6CH HDR
3. 1080P_3D_2CH	20.1080P_3D_8CH_HDR
4. 1080P_3D_6CH	21.4K30HZ_3D_2CH_HDR
5. 1080P_3D_8CH	22.4K30HZ_3D_6CH_HDR
6. 4K30HZ_3D_2CH	23.4K30HZ_3D_8CH_HDR
7. 4K30HZ_3D_6CH	24.4K60HzY420_3D_2CH_HDR
8. 4K30HZ_3D_8CH	25.4K60HzY420_3D_6CH_HDR
9. 4K60HzY420_3D_2CH	26.4K60HzY420_3D_8CH_HDR
10.4K60HzY420_3D_6CH	27.4K60HZ_3D_2CH_HDR
11.4K60HzY420_3D_8CH	28.4K60HZ_3D_6CH_HDR
12.4K60HZ_3D_2CH	29.4K60HZ_3D_8CH_HDR
13.4K60HZ_3D_6CH	30. User EDID 1
14.4K60HZ_3D_8CH	31. User EDID 2
15.1080P_2CH_HDR	32. User EDID 3

^{*}You can copy the EDID from any output and apply it to any input. Select "Copy EDID from Output x" (x=1-8). This will copy the EDID from the display and apply it to the selected input. This new EDID will be stored as "USER EDID 1".



Web Interface: System Settings

Default IP = 192.168.001.239



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.



IR Remote Control:



RS-232 Commands:

The AC-MX42-AUHD can be controlled with RS-232 commands. Some configurations can only be completed by using these commands. We recommend using MyUART software (free of charge) as it is very easy to use in order to send commands to the machine.

The same commands can be sent to the matrix using Ethernet as IP commands (Telnet).

The serial port settings should be set to: 57600,n,8,1 (baud: 57600, no parity, 8 data bits and 1 stop bit) with no handshaking.

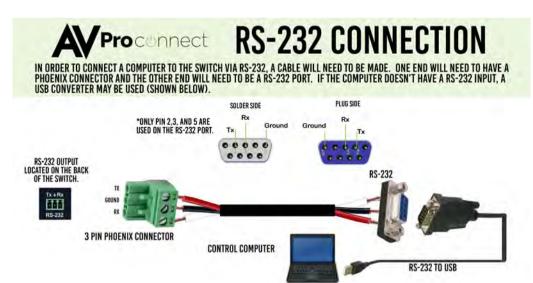
Please add a return (Enter key) after each command when using direct commands.

The unified command list (ASCII) is listed below. (.txt file available upon request or online)

-	Systems HELP	=
= Svs	stem Address = 00 F/W Version : 1,01	
		=
= Azz : All Comma	ands start by Prefix System Address zz, if [01~99]	=
= System Control	Setup Commands:	-
= H	: Help	=
= STA == SET RST		=
SET ADDR XX	: Reset to Factory Defaults : Set System Address to xx {xx=[00~99](00=Single)}	-
= SET CAS EN/DIS	: Set Cascade Mode Enable/Disable	-
= GET ADDR	: Get System Address	=
= GET CAS = GET STA		=
= GET INX SIG ST/	: Get System System Status : Get Input x Signal Status(x=(0~4)(0=ALL))	1
		-
	ommand : (Note:output number(x)=HDMI(x),x=1-2)	=
SET OUTX VS INS SET OUTX VIDEO	<pre>: Set Output x To Input y {x=[0~2](0=ALL), y=[1~4]} : Set Output VIDEO Mode</pre>	-
= 521 001% 120209	{x=[1], v=[1~2](1=BYPASS,2=4K->2K)}	-
SET EXA BTV OUT	fx : Set Ex-Audio Output bind to Output x(x=(1~2))	
SET OUTX EXA EN		-
= GET OUTX VS	<pre>1 ON/OFF: Set Output x Stream ON/OFF(x=[0~2](0=ALL)) : Get Output x Video Route(x=[0~2](0=ALL))</pre>	-
= GET OUTX VIDEO	: Get Output x Video Status(x=[1]	=
= GET EXA BTV OUT	: Get Ex-Audio Output bind to Output	=
GET OUTX EXA	: Get Ex-Audio Output Enable/Disable Status(x=[0](0=ALL))	-
GET OUTX EDID D GET OUTX STREAM	DATA : Get Output x EDID DATA(x=[1~2]) : Get Output x Stream ON/OFF Status(x=[0~2](0=ALL))	1
		_
= Input Setup Con	mand: (Note:input number(x)=HDMI(x),x=1-4)	=
SET INX EDID y	: Set Input x EDID(x=[0~4](0=ALL), y=[0~32]	-
= 0:1080P 2CH(PC	DM) 1:1080P_6CH 2:1080P_8CH	
= 3:1080P_3D_2C	((PCM) 4:1080P 3D 6CH 5:1080P 3D 8CH	-
	CH(POM) 7:4K30HZ_3D_6CH 8:4K30HZ_3D_8CH	=
= 6:4K30Hz_3D_20	77-4561E_55_661	
= 6:4K30Hz_3D_20 = 9:4K60Hz(Y420)	3D_2CH(POM) 10:4K60Hz(Y420)_3D_6CH 11:4K60Hz(Y420)_3D_8CH	
= 6:4K30Hz_3D_20 = 9:4K60Hz(Y420)	3D_2CH(PCM) 18:4K60H2(Y428) 3D_6CH 11:4K60H2(Y428) 3D_8CH 2H 13:4K60H2 3D_6CH 14:4K60H2 3D_8CH 2H 15:4K60H2 3D_6CH 18:4K60H2 3D_8CH 2H 15:4K60H2 3D_8CH	=
6:4K30Hz_3D_20 9:4K60Hz(Y420) 12:4K60HZ_3D_0 15:1080P_2CH(F	13:4K60HZ 30 6CH 14:4K60HZ 30 8CH 10) HDR 16:1880P_6CH HDR 17:1880P_8CH HDR 17:1880P_8CH HDR 20:1880P_30 8CH HDR 20:1880P_30 8	0 0 0 0
6:4K30Hz_3D_20 9:4K60Hz(Y420) 12:4K60HZ_3D_0 15:1080P_2CH(F	13:4K60HZ 30 6CH 14:4K60HZ 30 8CH 10) HDR 16:1880P_6CH HDR 17:1880P_8CH HDR 17:1880P_8CH HDR 20:1880P_30 8CH HDR 20:1880P_30 8	0 10 10
6:4K30Hz 3D 20 9:4K60Hz (Y420) 12:4K60HZ 3D 20 15:1080P_2CH(0) 18:1080P_3D 20 21:4K30Hz 3D 20 24:4K60Hz (Y420)	10H 13:4466H2, 30, 6CH 14:4466H2, 30, 9CH 10H), HDR 16:1880P, 5CH, HDR 17:1880P, 8CH, HDR 17:1880P, 8CH, HDR 1H), HDR 19:1880P, 30, 6CH, HDR 28:1880P, 30, 8CH, HDR 28:4463H2, 30, 6CH, HDR 28:4463H2, 30, 6CH, HDR 28:4463H2, 30, 6CH, HDR 38:4463H2, 30, 8CH, HDR 38:4464H2, 30, 8CH, HDR 38:4464H2, 30, 8CH, HDR 38:44644, 30, 8CH, HDR 38:4464, 30	
= 6:4K30Hz 30_2(= 9:4K60Hz (Y420) = 12:4K60HZ 30_3 = 15:1080P_2CH(i = 18:1080P_3D_2(i = 21:4K30Hz_3D_3 = 24:4K60Hz (Y420) = 27:4K60Hz_3D_3	POH 13;4K56H2, 30, 6CH 14;4K56H2, 30, 8CH 70N), JDR 15;1898P 6CH, JDR 17;1898P, 3CH, JDR H(POM), JDR 15;1898P, 30, 6CH, JDR 23;4K58P, 30, 8CH, JDR 12;4K39H2, 20, 6CH, JDR 23;4K58H2, 30, 8CH, JDR JDR 22;4K59H2, 20, 6CH, JDR 29;4K58H2, 30, 8CH, JDR CH(POM), JDR 25;4K56H2, 20, 6CH, JDR 29;4K58H2, 30, 8CH, JDR 26;4K56H2, 20, 6CH, JDR 29;4K56H2, 30, 8CH, JDR 26;4K56H2, 30, 8CH, JDR 29;4K56H2, 30, 8CH, JDR 26;4K56H2, 30, 8CH, JDR 29;4K56H2, 30, 8CH, JDR 29;4K56H2, 30, 8CH, JDR 26;4K56H2, 30, 8CH, JDR 29;4K56H2, 30, 8CH, JDR 29;4K56H2, 30, 8CH, JDR 20;4K56H2, 30, 8CH, JDR	
6:4K30Hz 3D 2C 9:4K60Hz (Y420) 12:4K60Hz 3D 2 15:1080P 2CH(1) 18:1080P 3D 2C 21:4K30Hz 3D 2 24:4K60Hz (Y42c 27:4K60Hz 3D 2 30:15F81 FDTD	PCH 13:4K66H2, 30, 6CH 14:4K66H2, 30, 8CH (701), IDR 15:1889F 6CH, IDR 17:1889F 3CH,	
6:4K30Hz 3D 2C 9:4K60Hz (Y420) 12:4K60Hz 3D 2 15:1080P 2CH(1) 18:1080P 3D 2C 21:4K30Hz 3D 2 24:4K60Hz (Y42c 27:4K60Hz 3D 2 30:15F81 FDTD	PCH 13:4K66H2, 30, 6CH 14:4K66H2, 30, 8CH (701), IDR 15:1889F 6CH, IDR 17:1889F 3CH,	
6:4K30Hz 3D 2C 9:4K60Hz (Y420) 12:4K60Hz 3D 2 15:1080P 2CH(1) 18:1080P 3D 2C 21:4K30Hz 3D 2 24:4K60Hz (Y42c 27:4K60Hz 3D 2 30:15F81 FDTD	PCH 13:4K66H2, 30, 6CH 14:4K66H2, 30, 8CH (701), IDR 15:1889F 6CH, IDR 17:1889F 3CH,	
5:4K30Hz, 30, 20 9:4K60HZ (V420) 12:4K60HZ 30, 2 15:1080P, 20, 1 18:1080P, 30, 2 21:4K30Hz, 30, 2 24:4K60Hz, 30, 2 30:USEN1, EDID CO SET INX EDID CO SET INX EDID U	POH 13:4K66H2, 30, 6CH 14:4K66H2, 30, 8CH (701), IDR 15:1889F 6CH, IDR 17:1889F 3CH,	
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RS-232 Wiring Diagram:





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, AVProConnect (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.

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Thank you for choosing AVProConnect!

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











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