

Partner: AVPro Edge
Models: MXNet USP
Device Type: Network Switching



GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet USP Decoder v1.0
CATEGORY:	AVPro Edge MXNet USP
VERSION:	v1.0
SUMMARY:	This module works in conjunction with the AVPro MXNet USP CommandProcessor v1.0 module to control one decoder of an Edge MXNet USP system. The full suite of AVPro MXNet USP modules includes: • AVPro Edge MXNet USP CommandProcessor v1.0 • AVPro Edge MXNet USP Encoder v1.0 • AVPro Edge MXNet USP Decoder v1.0 • AVPro Edge MXNet USP SerialPort v1.0 • AVPro Edge MXNet USP IRPort v1.0 • AVPro Edge MXNet USP CEC v1.0 • AVPro Edge MXNet USP DestinationRouter v1.0 • AVPro Edge MXNet USP MultiDestinationRouter v1.0 • AVPro Edge MXNet USP VW DecoderAssign v1.0 • AVPro Edge MXNet USP VW Layout v1.0 • AVPro Edge MXNet USP VW LayoutRecall v1.0 • AVPro Edge MXNet USP Matrix PresetRecall v1.0 • AVPro Edge MXNet USP Matrix Macro v1.0 • AVPro Edge MXNet USP External Stream Source v1.0 • AVPro Edge MXNet USP Digital Signage v1.0 • AVPro Edge MXNet USP Multiview Layout v1.0
GENERAL NOTES:	This module requires one instance of the AVPro MXNet USP CommandProcessor v1.0 module to register with and one instance of the AVPro MXNet USP Encoder module v1.0 to handle routing of a single input.
CRESTRON HARDWARE REQUIRED:	4-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet USP Control Box V3.43 MXNet USP-ES v0.24.0 MXNet USP-PL v1.11.0 MXNet USP-PR v1.40.0
VENDOR SETUP:	N/A

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PARAMETERS:

Command_Processor_ID	The unique identifier of the command processor module that this module registers with.
MAC_Address_or_Device_ID	The MAC Address or Device ID (Custom Name) of the decoder used to associate this component with.
Matrix_Destination_Index	The specific index of this decoder to be used on the Destination Router module. (Minimum = 1 Maximum = 256)

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CONTROL:

Reboot	D	Pulse to reboot the Decoder.
Screen_On	D	Pulse to turn on the Decoder display screen.
Screen_Flash	D	Pulse to flash the Decoder display screen.
Screen_Off	D	Pulse to turn off the Decoder display screen.
OSD_On	D	Pulse to set the on-screen display on. <i>10G does not support this.</i>
OSD_Off	D	Pulse to set the on-screen display off. <i>10G does not support this.</i>
Volume_Level_Up	D	Ramp volume up incrementally while signal is high. <i>1G does not support this.</i>
Volume_Level_Down	D	Ramp volume down incrementally while signal is high. <i>1G does not support this.</i>
Volume_Level	A	Integer value specifies the target volume level to set. Range is 0 to 100. <i>1G does not support this.</i>
Volume_Level_Set	D	Pulse to set the target volume specified by the Volume_Level analog signal. <i>1G does not support this.</i>
Volume_Mute_On	D	Pulse to set the volume to the lowest possible level. <i>1G does not support this.</i>
Volume_Mute_Off	D	Pulse to set the volume to the previous level prior to muting. <i>1G does not support this.</i>
Volume_Mute_Toggle	D	Pulse to alternate the volume mute state between on and off. <i>1G does not support this.</i>
Resolution	A	Analog value specifies the resolution to use from the defined resolution list. Possible values include: 0: passthrough, 1: 720P50, 2: 720P60, 3: 1080P24, 4: 1080P50, 5: 1080P60, 6: 4K30, 7: 4K50, 8: 4K60

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**Hot_Plug_Reset**

D Pulse to reset the hot plug on the device.

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FEEDBACK:

Is_Initialized	D	Digital high indicates this decoder block has been initialized with the command processor module.
Is_Online	D	Digital high indicates the decoder is online, or not online when the signal is low.
Screen_On_Fb	D	Digital high indicates the decoder front panel display screen is on, or not on when the signal is low.
Screen_Flash_Fb	D	Digital high indicates the decoder front panel display screen is flashing, or not flashing when the signal is low.
Screen_Off_Fb	D	Digital high indicates the decoder front panel display screen is off, or not off when the signal is low.
OSD_On_Fb	D	Digital high indicates the on-screen display is on, or not on when the signal is low, if applicable.
OSD_Off_Fb	D	Digital high indicates the on-screen display is off, or not off when the signal is low, if applicable.
Volume_Level_Fb	A	Integer value indicates the current extracted audio volume, if applicable. Range is 0 to 100. <i>1G does not support this.</i>
Volume_Mute_On_Fb	D	Digital high indicates the volume level is at the lowest possible value, if applicable. <i>1G does not support this.</i>
Resolution_Fb	A	Integer value indicates the currently selected resolution value.
VideoWall_Count_Fb	A	Integer value indicates the number of video wall layouts this decoder is included in.
Hot_Plug_Detect_Fb	D	Digital high indicates the hot plug is detected, or not detected when the signal is low.
Connection_Rating	S	Text value indicates the current connection speed rating.
Resolution_and_Timing	S	Text value indicates the current resolution and FPS. Format example: 3840x2160, 30.
Colorspace	S	Text value indicates the current colorspace reported.
Bit_Depth	S	Text value indicates the current bit depth reported.
HDR_Status	S	Text value indicates the current HDR status ON or OFF.
HDCP_Status	S	Text value indicates the current HDCP status ON or OFF.
Audio_Format_Fb	S	Text value indicates the current audio format reported.
Network_Connection_Fb	S	Text value indicates the current network connection reported.
Device_Id_Fb	S	Text value indicating the device meta data for Device ID.

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MAC_Address_Fb	S	Text value indicating the device meta data for MAC Address.
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TESTING:

OPS USED FOR TESTING:	CP4 2.8006.00110
SIMPL WINDOWS USED FOR TESTING:	4.3100.00
CRES DB USED FOR TESTING:	228.5000.003.00
DEVICE DATABASE:	200.44500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1237
SAMPLE PROGRAM:	AVPro Edge MXNet USP v1.0 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release