

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet USP DestinationRouter 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 and the AVPro MXNet USP Encoder/Decoder v1.0 modules to process routes between encoders and decoders. 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, a matching instance of the AVPro MXNet USP Encoder v1.0 for each encoder for source routing, and a matching instance of the AVPro MXNet USP Decoder v1.0 for the decoder to route to.
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.
Matrix_Destination_Index	Specifies the unique index of the decoder this module is associated with. The AVPro MXNet USP Decoder v1.0 with each associated Destination_Index must be added to the program for the module to know which decoder in your system to route.
MultiRoute Group ID List	Specifies the group ID for this destination router. When assigned a MultiRoute Group ID, this destination router can receive route commands as part of a broadcast from the AVPro MXNet USP MultiDestinationRouter module. This destination router can be assigned multiple groups, each group ID should be specified in a comma-separated list. EX: 1,5,6

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**CONTROL:**

		Analog value specifies the encoder with the matching Matrix Source Index parameter.
Source_Route	A	To clear the route, use a 0 on this signal. The AVPro MXNet USP Encoder v1.0 with each associated Source_Index must be added to the program for the module to know which encoder in your system to route.
Take_Route	D	Pulse to send the enabled route types from the encoder specified by the Source_Route analog input to the decoder specified by the Matrix Destination Index.
Enable_Video	D	Latch high to enable video routing from the source route specified by the Source_Route analog input.
Enable_Audio	D	Latch high to enable audio routing from the source route specified by the Source_Route analog input.
Enable_USB	D	Latch high to enable USB routing from the source route specified by the Source_Route analog input.
Enable_Infrared	D	Latch high to enable infrared routing from the source route specified by the Source_Route analog input.
Enable_Serial	D	Latch high to enable serial routing from the source route specified by the Source_Route analog input.

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FEEDBACK:

Is_Initialized	D	Digital high indicates this module has been initialized with the command processor module.
Is_Online_Fb	D	High to indicate that the matching endpoint is online and available for control. If the device is offline, no control will work.
Source_Video_Fb	A	Integer value indicates the routed video source to decoder with the matching Matrix Destination Index.
Source_Audio_Fb	A	Integer value indicates the routed audio source to decoder with the matching Matrix Destination Index.
Source_USB_Fb	A	Integer value indicates the routed USB source to decoder with the matching Matrix Destination Index.
Source_Infrared_Fb	A	Integer value indicates the routed infrared source to decoder with the matching Matrix Destination Index.
Source_Serial_Fb	A	Integer value indicates the routed serial source to decoder with the matching Matrix Destination Index.

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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