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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet MultiDestinationRouter v2.6
CATEGORY:	AVPro Edge MXNet
VERSION:	2.6
SUMMARY:	This module works in conjunction with the AVPro MXNet CommandProcessor v2.6 module and the AVPro MXNet DestinationRouter v2.6 module to generate simultaneous route command to multiple decoders. The full suite of AVPro MXNet modules includes: • AVPro MXNet CommandProcessor v2.6 • AVPro MXNet Encoder v2.6 • AVPro MXNet Decoder v2.6 • AVPro MXNet SerialPort v2.6 • AVPro MXNet IRPort v2.6 • AVPro MXNet CEC v2.6 • AVPro MXNet DestinationRouter v2.6 • AVPro MXNet MultiDestinationRouter v2.6 • AVPro MXNet VW DecoderAssign v2.6 • AVPro MXNet VW Layout v2.6 • AVPro MXNet VW LayoutRecall v2.6 • AVPro MXNet 10G VW LayoutRecall v2.6 • AVPro MXNet Matrix PresetRecall v2.6 • AVPro MXNet Matrix Macro v2.6
GENERAL NOTES:	This module requires one instance of the AVPro MXNet CommandProcessor v2.6 module to register with, and at least one instance of the AVPro MXNet DestinationRouter v2.6 module. Practical applications would require two or more DestinationRouter modules.
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet 1G Control Box v2.4 MXNet 1G Encoder v3.39 MXNet 1G Decoder v4.21 MXNet 10G Control Box v3.28 MXNet 10G Encoder v1.25 MXNet 10G Decoder v1.25
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.
MultiRoute Group	Specifies the MultiRoute Group ID this module controls. All AVPro MXNet DestinationRouter modules with this MultiRoute Group ID will be used to create a single, multi-route command sent to the control box. The command performs simultaneous switching to all decoders contained within the group.

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CONTROL:

Source_Route	A	Integer value specifies the encoder with the matching Matrix Source Index parameter. Setting this source route before pulsing **Take_MultiRoute** applies this source route to all decoders belonging to the group. If this source route is not set, the multi-route command will be generated with the last sent source routes of the destination router.
Take_MultiRoute	D	Pulse to send the source route command specified by the **Source_Route** serial input.

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FEEDBACK:

None

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TESTING:

OPS USED FOR TESTING:	VC4 v4.0000.00007 CP4 v2.8001.00086.01 CP3 v1.8001.0214.01
SIMPL WINDOWS USED FOR TESTING:	4.2500.04
CRES DB USED FOR TESTING:	219.0500.001.00
DEVICE DATABASE:	200.28000.002.00
SYMBOL LIBRARY USED FOR TESTING:	1191
SAMPLE PROGRAM:	AVPro Edge MXNet v2.6 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite. v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution. v2.0 – Added “Offline” functionality. – Polling will happen more frequently but will only poll for one component’s states at a time. This prevents serial control from getting backed up behind a global system poll. v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout” v2.2 - Change 1G video wall input select to new faster API command v2.3 – Added CEC support for Encoders. v2.4 – Added Matrix PresetRecall and Matrix Macro module. V2.5 – Added preview urls to encoder module. v2.6 – Reconnect time increased from 30 seconds to 90 seconds.

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