

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet CEC v2.1
CATEGORY:	AVPro Edge MXNet
VERSION:	2.1
SUMMARY:	<p>This module works in conjunction with the AVPro MXNet CommandProcessor v2.1 module for CEC control of one Edge MXNet decoder. The full suite of AVPro MXNet modules includes:</p> <ul style="list-style-type: none">• AVPro MXNet CommandProcessor v2.1• AVPro MXNet Encoder v2.1• AVPro MXNet Decoder v2.1• AVPro MXNet SerialPort v2.1• AVPro MXNet IRPort v2.1• AVPro MXNet CEC v2.1• AVPro MXNet DestinationRouter v2.1• AVPro MXNet MultiDestinationRouter v2.1• AVPro MXNet VW DecoderAssign v2.1• AVPro MXNet VW Layout v2.1• AVPro MXNet VW LayoutRecall v2.1• AVPro MXNet 10G VW LayoutRecall v2.1
GENERAL NOTES:	This module requires one instance of the AVPro MXNet CommandProcessor v2.1 module to register with and a matching instance of the AVPro MXNet Decoder v2.1
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet 1G Control Box v2.34 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.
Matrix_Index	Specifies the unique index of the decoder this module is associated with.
Command_1_String.. Command_10_String	<p>Text value of each property specifies the command to be sent by the corresponding Command_X_Send digital signal.</p> <p>The module will accept ASCII and standard Crestron formatted Hex values.</p> <p>The following examples are all valid:</p> <ul style="list-style-type: none">• Hello\r• Hello\x0D\x0A• \x48\x65\x6C\x6C\x6F\r• \x48\x65\x6C\x6C\x6F\x0D\x0A

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**CONTROL:**

CEC_On_Command	D	Pulse to send the CEC On command.
CEC_Off_Command	D	Pulse to send the CEC Off command.
CEC_TX	S	Text value indicates a manual command to be sent.
CEC_Send	D	Pulse to send the command specified by the CEC_TX serial signal.
Command_1_Send.. Command_10_Send	D	<p>Pulse signal 1 through 10 to send the command of the corresponding Command_X_String property.</p> <p>The module will accept ASCII and standard Crestron formatted Hex values.</p> <p>The following examples are all valid:</p> <ul style="list-style-type: none">• Hello\r• Hello\x0D\x0A• \x48\x65\x6C\x6C\x6F\r• \x48\x65\x6C\x6C\x6F\x0D\x0A

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**FEEDBACK:****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.

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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 v2.1 Demo.smw
REVISION HISTORY:	<p>v1.0 – Initial Release</p> <p>v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite.</p> <p>v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution.</p> <p>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.</p> <p>v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout”</p>