AC-MX88-SUHD Video Matrix

Crestron Driver User Guide

Driver developed by

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Introduction

This driver has been designed to provide control of the AVProConnect AC-MX88-SUHD video matrix, via RS232 or TCP/IP.

Installation

Add the module in to your Crestron Simpl Windows program and copy the following files to the location where your project is stored:

AC-MXxx-SUHD_[*version*].ush
AC-MXxx-SUHD_[*version*].usp
AC-MXxx-SUHD_[*version*].ush
AC-MXxx-SUHD_[*version*]sharp.clz
AC-MXxx-SUHD_ip_[*version*].umc
AC-MXxx-SUHD_serial_[*version*].umc

Note that the package includes a demonstration smw file and an accompanying vtp file. These are not required for integration, but can be used to test or confirm the compatibility of the module.

Note also that you need only add the umc corresponding to the communication method you intend to use. If RS232 is your chosen communication method, use the following settings:

Baud rate: 57600
Data bits: 8
Parity: None
Stop bits: 1

Click **Tools** -> **Reload Device and Symbol Libraries from disk** and select the module from the **Symbol Library**.

Commands

The module has the following commands available to input:

Name	Type	Explanation
OUTPUT_[1-8]	ANALOG	Sets the input for the given output
OUTPUT_HDCP_[1-8]	ANALOG	Sets the HDCP mode for the given output • 0 = AUTO • 1 = BYPASS • 2 = DIS • 3 = H14 • 4 = H22
OUTPUT_VIDEO_[1-8]	ANALOG	Sets the video mode for the given output • 0 = AUTO • 1 = BYPASS • 2 = 4K->2K • 3 = 2K->4K • 4 = HDBT
OUTPUT_ENABLE_[1-8]	DIGITAL	Enables or disables audio for the given output
OUTPUT_DELAY_[1-8]	ANALOG	Sets the audio output delay for the given output (in milliseconds) • 0 = BYPASS • 1 = 90 • 2 = 180 • 3 = 270 • 4 = 360 • 5 = 450 • 6 = 540 • 7 = 630

Feedback

The module has the following output:

Name	Type	Explanation
CONNECTION_STATE	DIGITAL	Output goes high when the device is connected
CONNECTION_STATUS	STRING	Shows the connection status of an IP connection
OUTPUT_[1-8]_FB	ANALOG	Indicates the currently selected source for the given output

Parameters

The following parameters must be defined for the IP umc:

Name	Type	Explanation
IP_ADDRESS	STRING	If using an IP connection, the IP address of the matrix, example: 192.168.5.18
PORT	INTEGER	The IP port for the Telnet connection. The default is 23 unless you're using port forwarding