



# AC-MX44-UHD Video Matrix AC-MX88-UHD Video Matrix

Crestron Driver User Guide

Driver developed by



## Introduction

This driver has been designed to provide control of the AVProConnect AC-MX44-UHD and AC-MX88-UHD video matrices, 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-UHD\_*[version]*.ush  
AC-MXxx-UHD\_*[version]*.usp  
AC-MXxx-UHD\_*[version]*.ush  
AC-MXxx-UHD\_*[version]*sharp.clz  
AC-MXxx-UHD\_ip\_*[version]*.umc  
AC-MXxx-UHD\_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
PWR_ON	DIGITAL	Disable standby
PWR_OFF	DIGITAL	Enable standby
ALL_OUTPUTS		Sets the input for all outputs
OUTPUT_x	ANALOG	Sets the input for the given output
AUDIO_ENABLE_ALL	DIGITAL	Enables audio for all outputs
AUDIO_ENABLE_[1-8]	DIGITAL	Enables audio for the given output
AUDIO_DISABLE_ALL	DIGITAL	Disables audio for all outputs
AUDIO_DISABLE_[1-8]	DIGITAL	Disables audio for the given output

## Feedback

The module has the following output:

Name	Type	Explanation
POWER_STATE	DIGITAL	Output goes high when the device is on
CONNECTION_STATE	DIGITAL	Output goes high when the device is connected
CONNECTION_STATUS	STRING	Shows the connection status of an IP connection
OUTPUT_x_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