



EVSW21MV HDMI Switch

Control4 Driver User Guide

Driver developed by



Introduction

This driver has been designed to provide control of the Vanco EVSW21MV, via RS232.

Driver Installation & Configuration

Copy the .c4z file from the zip package to your Control4 driver folder location (e.g. *My Documents\Control4\Drivers*) and then open Composer. The driver can be found under:

Device Type: A/V Switch

Manufacturer: Vanco

Model: Vanco EVSW21MV

The driver features a number of properties that report status or control configuration:

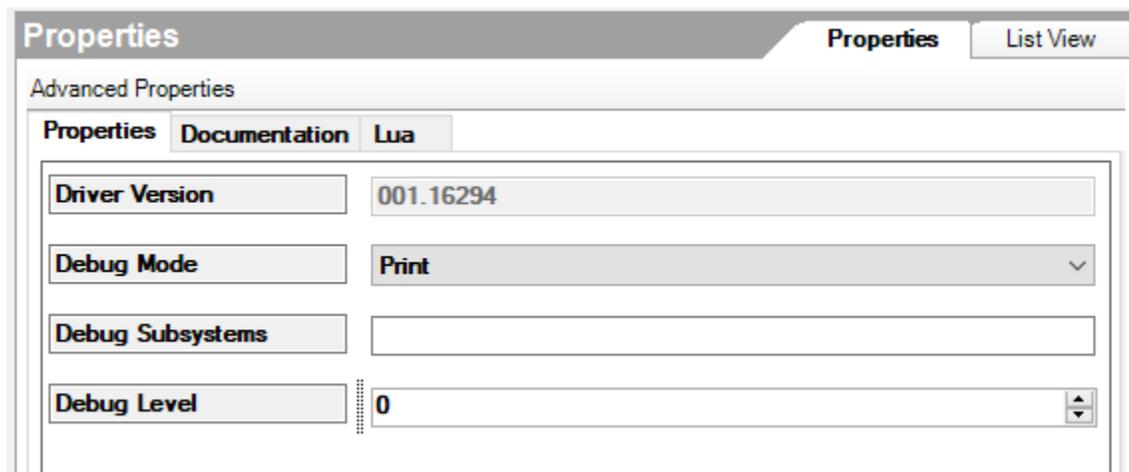


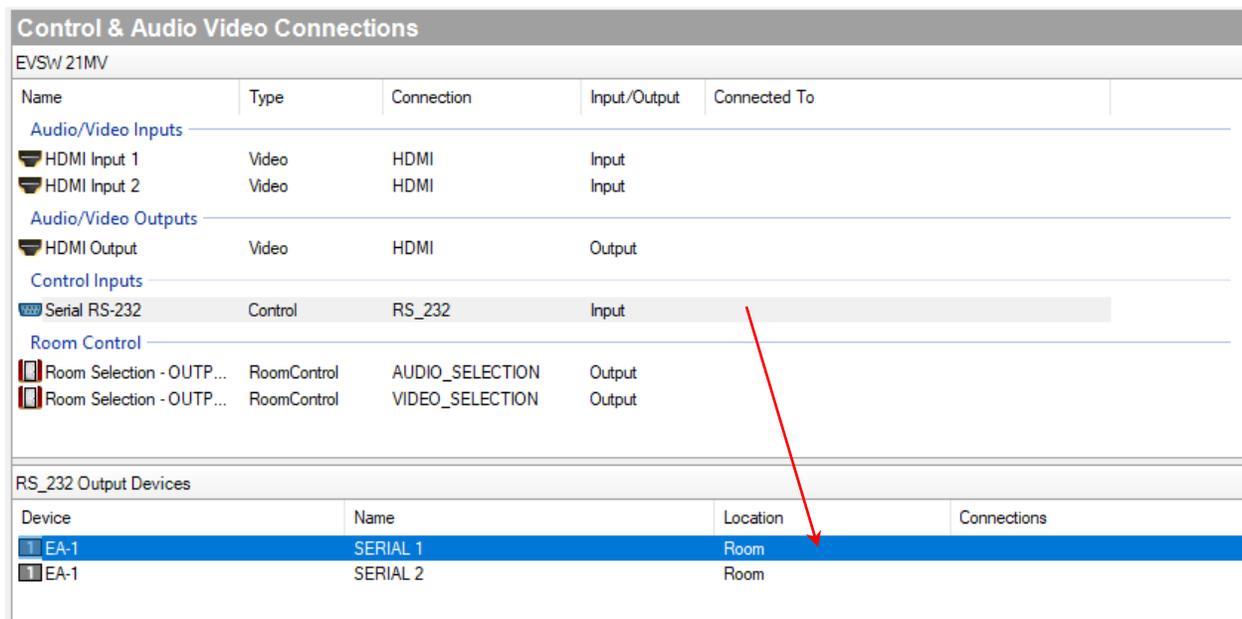
Figure 1: Driver Properties

| Property | Description |
|------------------|-----------------------------------|
| Driver version | The release version of the driver |
| Debug Mode | Support Use Only |
| Debug Subsystems | Support Use Only |
| Debug Level | Support Use Only |

Table 1: Driver Properties

To set up control via RS-232, a connection between the A/V switch and the Control4 unit must be established.

Go to **Connections**, select the A/V switch and drag the control input **Serial RS-232** to the relevant RS-232 output on the Control4 unit.



Control & Audio Video Connections
 EVSW 21MV

| Name | Type | Connection | Input/Output | Connected To |
|----------------------------|-------------|-----------------|--------------|--------------|
| Audio/Video Inputs | | | | |
| HDMI Input 1 | Video | HDMI | Input | |
| HDMI Input 2 | Video | HDMI | Input | |
| Audio/Video Outputs | | | | |
| HDMI Output | Video | HDMI | Output | |
| Control Inputs | | | | |
| Serial RS-232 | Control | RS_232 | Input | |
| Room Control | | | | |
| Room Selection - OUTP... | RoomControl | AUDIO_SELECTION | Output | |
| Room Selection - OUTP... | RoomControl | VIDEO_SELECTION | Output | |

| RS_232 Output Devices | | | |
|-----------------------|----------|----------|-------------|
| Device | Name | Location | Connections |
| EA-1 | SERIAL 1 | Room | |
| EA-1 | SERIAL 2 | Room | |

Figure 2: RS-232 Connection

Input Switching Commands

The driver supports the ability to control the input channel (source) of the A/V switch. Choose **System Design** and double click on the driver to load the test harness.



Figure 3: Input source control

Driver Specific Commands

In addition to providing input switching controls, the driver supports the ability to send discrete commands for controlling some of the settings of the A/V switch. Choose **Programming** and select the A/V switch driver in the **Actions** window.

Select a resolution to scale the output to. Choices are shown below.

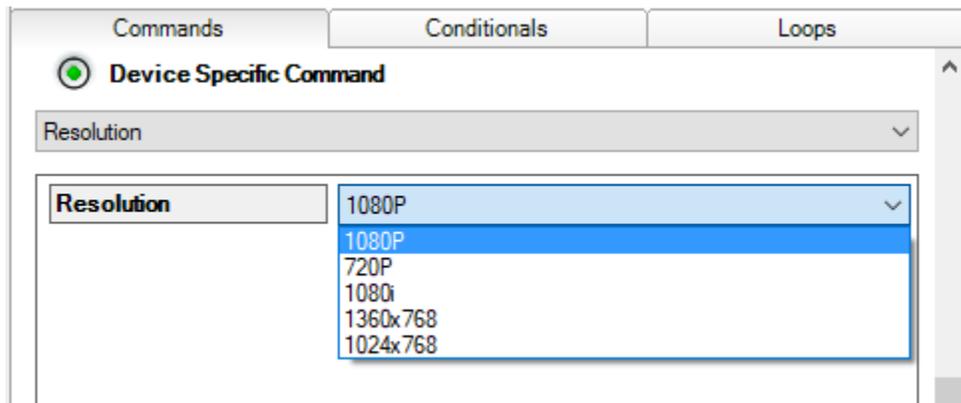


Figure 3: Driver Specific Commands – Resolution

Use Mode to select display mode. Choices are **Single-view**, **PIP (Picture in picture)** and **Side-by-side (split screen)** in **4:3** and **16:9** format

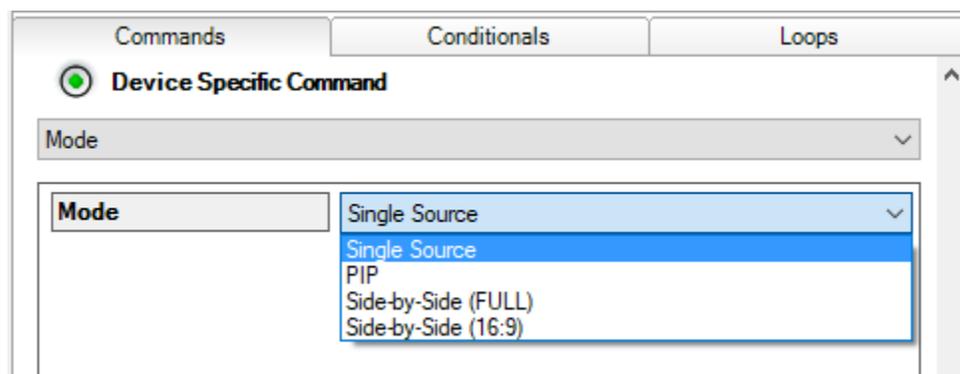


Figure 5: Driver Specific Commands – Standby Mode Control

The Picture-in-picture position and size can be adjusted with the **PIP Properties** command. Choose the position and size of the seconds picture.

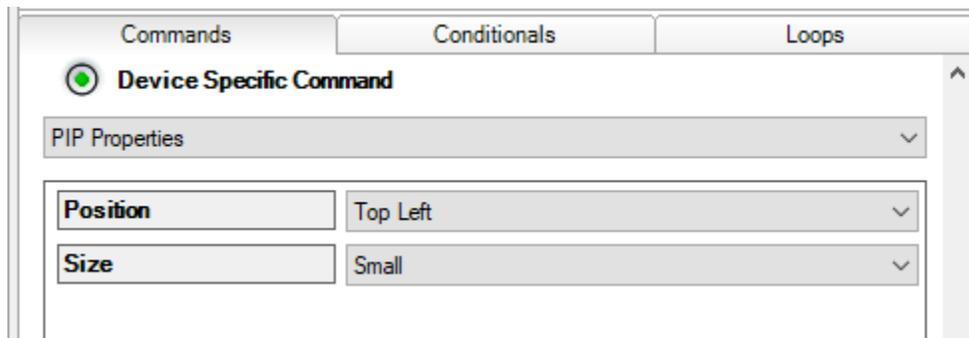


Figure 6: Driver Specific Commands – PIP Properties

The border can be shown or hidden with the command **Border**.