



by



Liberty AVSwitch Crestron Home Driver

User Guide

Product Manual

[AVSwitch Manual](#)

Overview

Package name (pkg) : AVSwitch_Liberty_IPEX6000_16x16_IP.pkg

Version : 1.1.0

Features

This driver provides the following functionality.

- Video Switching

- Audio Switching
- RS232 Control
- CEC Control

Liberty Configuration

Prior to setting the driver up in Crestron Home ensure that the Liberty AVSwitch is fully configured and works correctly. Please refer to documentation provided by Liberty to setup the unit (link at top of document).

TX / RX Configuration

Virtual port numbers are created to map between inputs and outputs on the Crestron Home and the physical Liberty AVSwitch devices. These virtual port numbers are created by assigning specific alias names to the devices in the Liberty web UI.

Out of the box, the Liberty AVSwitch devices will not have these Alias names configured, so it is essential to configure these as a first step. The driver will not work without them!

By convention these will be [TX/RX][Virtual Port Number]_[Port Friendly Name]

Note that the name must comply with the following conventions: For Transmitter (input) devices: TX[number]/[name] For Receiver (output) devices: RX[number]/[name] For Transceiver (output/Input) devices: TX[number]/[TXName]_RX[number]/[RXName] the input and output order can be reversed

It is important that each name begins with “TX” or “RX”, which is then followed by the input or output number. You must then add an underscore () followed by an appropriate description for the device (note that no spaces are allowed).

Video Mode Configuration

Each video output needs to be configured for the correct method of video switching. When you first load the driver it will display a URL you need to go to for the switching configuration. It will follow this style:

http://[ipaddress of Crestron home]/cws/janus/sloto/liberty_arranger/webview

Enter this URL into your web browser and fill in the form for video switch configuration.

Crestron Home Configuration

Follow your standard setup now for a crestron home switcher. The Crestron Home input and output numbers are the virtual ports you created above with the naming of the alias's.

RS232 Device Control

It is possible to attach serial devices to TX and RX ports on the AVSwitch. Please be aware that it is currently not possible to set the RS232 port settings on the AVSwitch via the driver. This will need to be done on the AVSwitch web UI.

Support

If you require support for this driver please fill in a support request at <https://janustechnology.co.uk/support/>

Please ensure you provide the following information.

- Driver version you are using.
- Platform you are using e.g. Crestron Home
- Firmware version of your Liberty AVSwitch.
- Firmware version of your Crestron system.
- A full description of the issue you are having and how to recreate the issue.

Troubleshooting

- Confirm that correct IP address is entered into the IP address field
 - Confirm that correct Port is entered (if required).
 - Check the Liberty AVSwitch can be pinged from the control system controller. If the ping fails check your network configuration and cabling.
 - For IP devices we recommend using a static IP address. Ensure this is done in either the device or router.
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Release Notes

Changes

Driver Release Version: 1.1.0 - Crestron Home Release

2023-06-30

Version Tested

- Product Software: 4.3.6
- Product Control Server : 3.4.0.1
- Crestron Home Version : 3.020.0106

Enhancements

- Added Crestron Home Switcher Driver.
- Added Crestron Home Extension Driver.

Bug Fixes

- NA

Exceptions

- NA

User Impacted

- NA
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Driver Release Version: 1.0.0 - Simpl Release

2023-06-27

Version Tested

- Product Software: 4.3.6
- Product Control Server : 3.4.0.1
- Crestron Series 4 Processor Firmware: 2.8001.49
- Simpl Windows: 4.25
- Device Database: 200.275 (build: 200.27500.001.00)
- Crestron Database: 219.00 (build: 219.00000.002.00)
- Crestron Toolbox: 3.12p50 (build: 3.1250.0002.0)
- SIMPL+ Cross Compiler: 1.3

Enhancements

- Initial Driver Release

Bug Fixes

- NA

Exceptions

- NA

User Impacted

- NA
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