Liberty AVSwitch Crestron Home Driver

User Guide

Product Manual

AVSwitch Manual

Overview

Package name (pkg) : AVSwitch_Liberty_IPEX5100_8x8_IP.pkg

Version : 2.0.0

Features

This driver provides the following functionality.

- Video Switching
- Audio Switching
- RS232 Control

- CEC Control
- Volume Controls and Feedback

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 and 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 configured these as a first step. The driver will not work without them!

By conventions 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] models - IPEX6001 - IPEX6001U-WP - IPEX-USB2-H*

For Receiver (output) devices: RX[number]_[name] models - IPEX6002 - IPEX6002U-WP-W - IPEX-USB2-H*

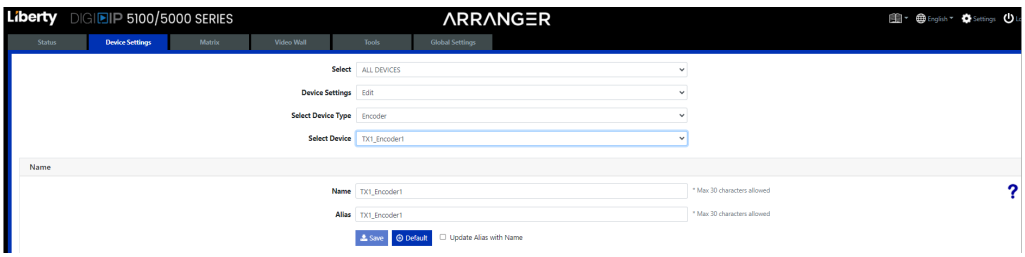
*Limited functionality.

For Transceiver (output/Input) devices: TX[number]*[TXName]_RX[number]*[RXName] the input and output order can be reversed models - IPEX600TC-C

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 a underscore (_) followed by an appropriate description for the device (note that no spaces are allowed).

To configure the Alias Names go to the Web Interface of AVSwitch

select the Device settings Tab Select desired device and change both name and alias to the correct format



IMPORTANT - All TX NUMBER and RX NUMBER must be unique regardless on Model

- TX1-SOURCE1
- RX1-Display

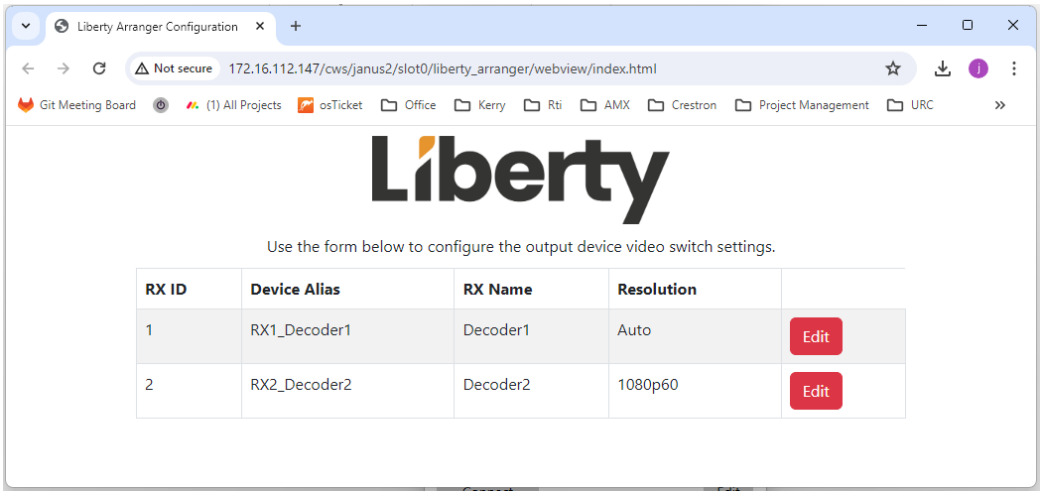
would be ok but

- TX1-SOURCE1
- TX1-SOURCE2

Would not be ok

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 Link Under Installer Setting/ Web Configuration. you need to go to for the switching configuration.



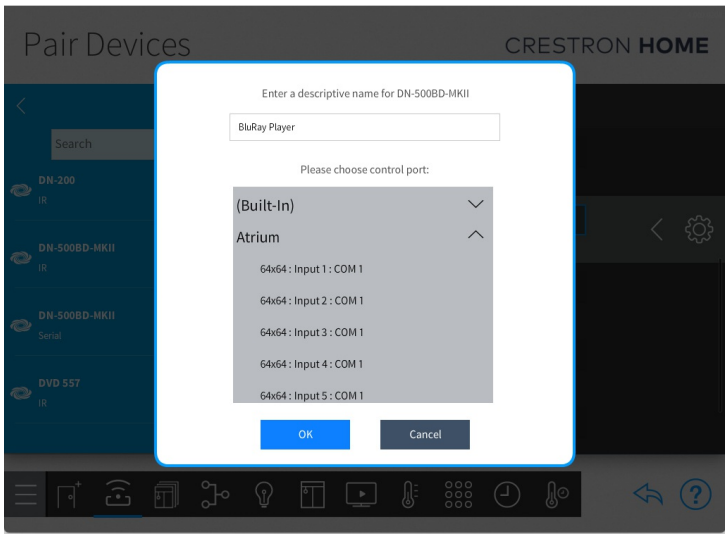
Enter this URL int your web browser and fill in the for for video switch configuration.

Crestron Home Configuration

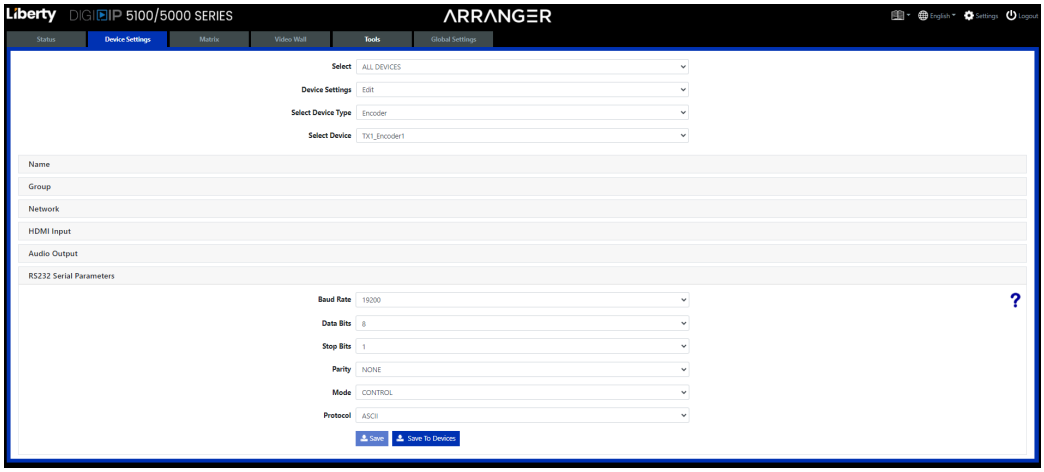
Follow your standard setup now for a crestron home switcher. The Crestron Home input and output numbers are the virtual ports you created above with the naming of the alias's.

RS232 Device Control

It is possible to attach serial devices to TX and RX ports on the AVSwitch.

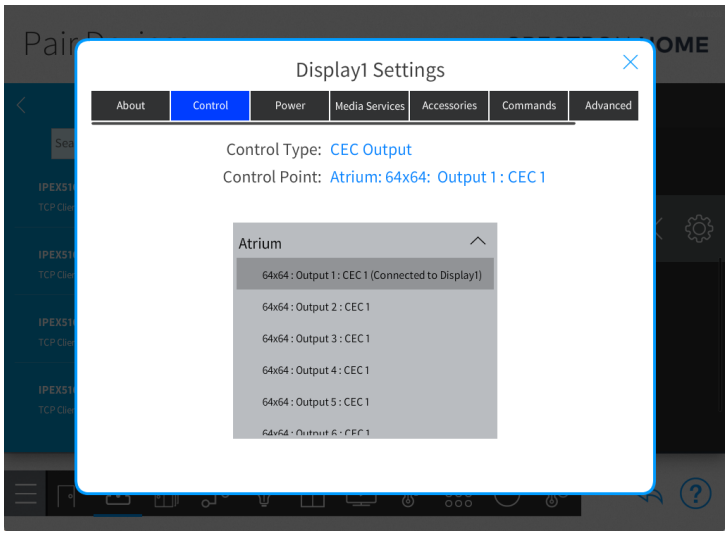


Please be aware that it is currently not possible to set the RS232 port settings on the AVSwitch via the driver. This will need to be done on the AVSwitch web UI.



CEC Device Control

It is possible to attach CEC devices to RX ports on the AVSwitch.



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.

Liberty AVSwitch Crestron Driver

Release Notes

Changes

Driver Release Version: 2.0.0 - Crestron Home Release

2024-03-11

Version Tested

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

Enhancements

- added 5100 Series
- added Icron Usb switching(SimplWindows Only)

Bug Fixes

- NA

Exceptions

- NA

User Impacted

- NA

Driver Release Version: 1.1.1 - Crestron Home Release

2023-07-13

Version Tested

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

Enhancements

- Changed DependencyGroup tag

Bug Fixes

- NA

Exceptions

- NA

User Impacted

- NA

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

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: 219.0000.002.00)
- 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
