

WYRESTORM VERSATILE AV SWITCHER DRIVER FOR CRESTRON HOME

Revision: 2.00

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LICENCING

Please visit <https://shop.ultamation.com/index.php/hikashop-category-information-menu-129/product/134-wyrestorm-for-crestron-home> to obtain a licence for your Crestron processor.

ADDITIONAL READING

Please refer to the Using 3rd Party driver document for instructions on installation and configuration of the driver with Crestron Home.

SUPPORTED INSTALLATION

The Wyrestorm Versatile Matrix TCP driver is designed to integrate with various Wyrestorm MX, MXV, and EXP matrix models via IP control, supporting multiple configurations for input and output modes.

This driver offers flexibility through **four distinct input/output modes**, allowing for different routing configurations based on the specific model of the Wyrestorm device. Below are the supported models for each mode:

Input/Output Modes and Supported Models:

1. **Mode 1:** *hdmiin out*
Supported Models:
 - MX-0404-KIT
 - MX-0808-KIT
 - MXV-0606-H2A
 - MXV-0606-H2A-70
 - MXV-0808-H2A
 - MXV-0808-H2A-70
 - MXV-0808-H2L
 - MXV-0404-H2A-KIT
2. **Mode 2:** *hdmiin hdmiout*
Supported Models:
 - MX-0404-HDMI
 - MX-0404-H2A
 - MX-0606-H2A

- MX-0808-H2A
- MX-0808-H2A-MK2

3. **Mode 3:** *in out*

Supported Models:

- EXP-MX-0402-H2
- EXP-SW-0X01-8K
- EXP-SW-0401-H2
- MX-H2XC
- MX-0404-SCL

4. **Mode 4:** *in hdmiout*

Supported Models: Other, not specified elsewhere.

IMPORTANT: Wyrestorm has several protocols across different models. This driver supports models using both MX and MXV protocols, but there may be compatibility issues with certain older MX models or non-MXV matrix systems. It is recommended to test the driver with your specific hardware before full deployment.

For configurations, this driver supports up to 15 inputs and 15 outputs. However, control of peripheral devices through the receiver's I/O is not available. If you require support for additional models or features, such as Wyrestorm NHD products, please contact Ultamation for more details.

MODULE DESCRIPTION

The Wyrestorm Versatile Matrix TCP driver provides comprehensive switching control of supported Wyrestorm MX, MXV and EXP matrix devices via Crestron systems. The driver integrates Wyrestorm matrix products with Crestron AV switching functionality.

Presently, control via Wyrestorm device's ancillary ports (IR, CEC, Serial) is **not** supported. Additionally, Crestron will reflect the matrix's power state and routing exclusively through the driver, meaning changes made via the Wyrestorm device's front panel or other external control systems will **not** be reflected in the Crestron interface. Crestron is expected to serve as the primary control system in most installations.

The matrix will be placed in standby when no routes are required by Crestron Home.

Licencing:

Each matrix requires its own defined instance of the driver. However, multiple matrices can be controlled under a single licence, provided they reside on the same processor.

Once the driver is imported, the switcher will be located under:

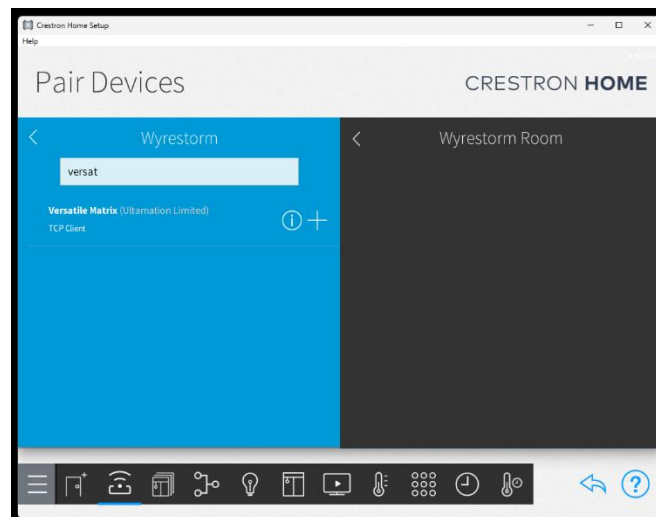
Devices > AV Switcher > Wyrestorm

For more information on driver installation and configuration, refer to the general "How to" document provided with the driver package.

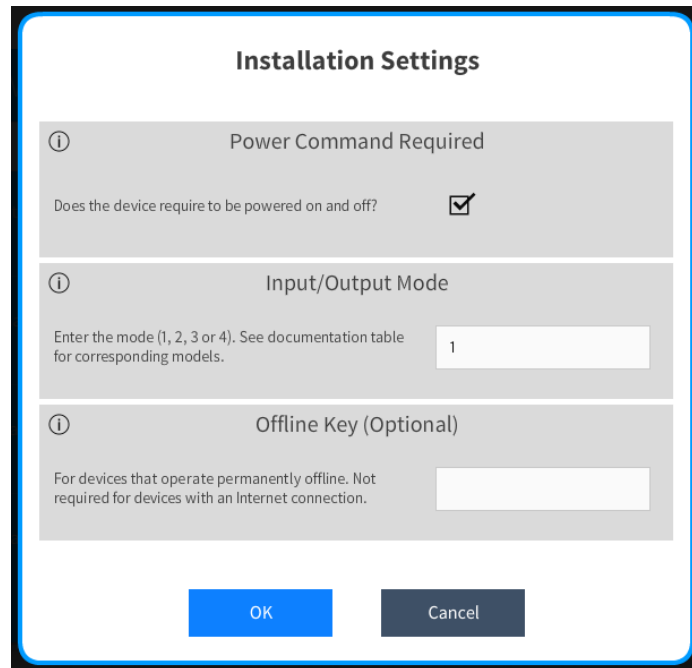
Adding the Matrix

To add the Wyrestorm Versatile Matrix to your Crestron Home system, follow these steps:

1. **Room Selection:** Ensure that a room is selected in your Crestron Home system. Click the + symbol next to the relevant device category (AV Switcher).
2. **On the left,** navigate to Drivers -> AV Switcher -> Wyrestorm -> Versatile Matrix
On the right, navigate to the room of your choice.



3. **Naming and IP Configuration:**
 - Provide a descriptive name for the matrix switcher. This can be any name you choose, to help you identify it in your system.
 - Enter the IP address of the Wyrestorm matrix.
 - The IP control port should be set to 23 (default).
 - Leave the "Requires Authentication" checkbox unchecked unless specified otherwise for your device.



The image shows a software dialog box titled "Installation Settings". It contains three sections, each with an information icon (i) in a circle. The first section, "Power Command Required", asks "Does the device require to be powered on and off?" with a checked checkbox. The second section, "Input/Output Mode", asks to "Enter the mode (1, 2, 3 or 4). See documentation table for corresponding models." and has a text input field containing the number "1". The third section, "Offline Key (Optional)", has a text input field and a note: "For devices that operate permanently offline. Not required for devices with an Internet connection." At the bottom are "OK" and "Cancel" buttons.

Installation Settings

Power Command Required

Does the device require to be powered on and off? ☒

Input/Output Mode

Enter the mode (1, 2, 3 or 4). See documentation table for corresponding models.

Offline Key (Optional)

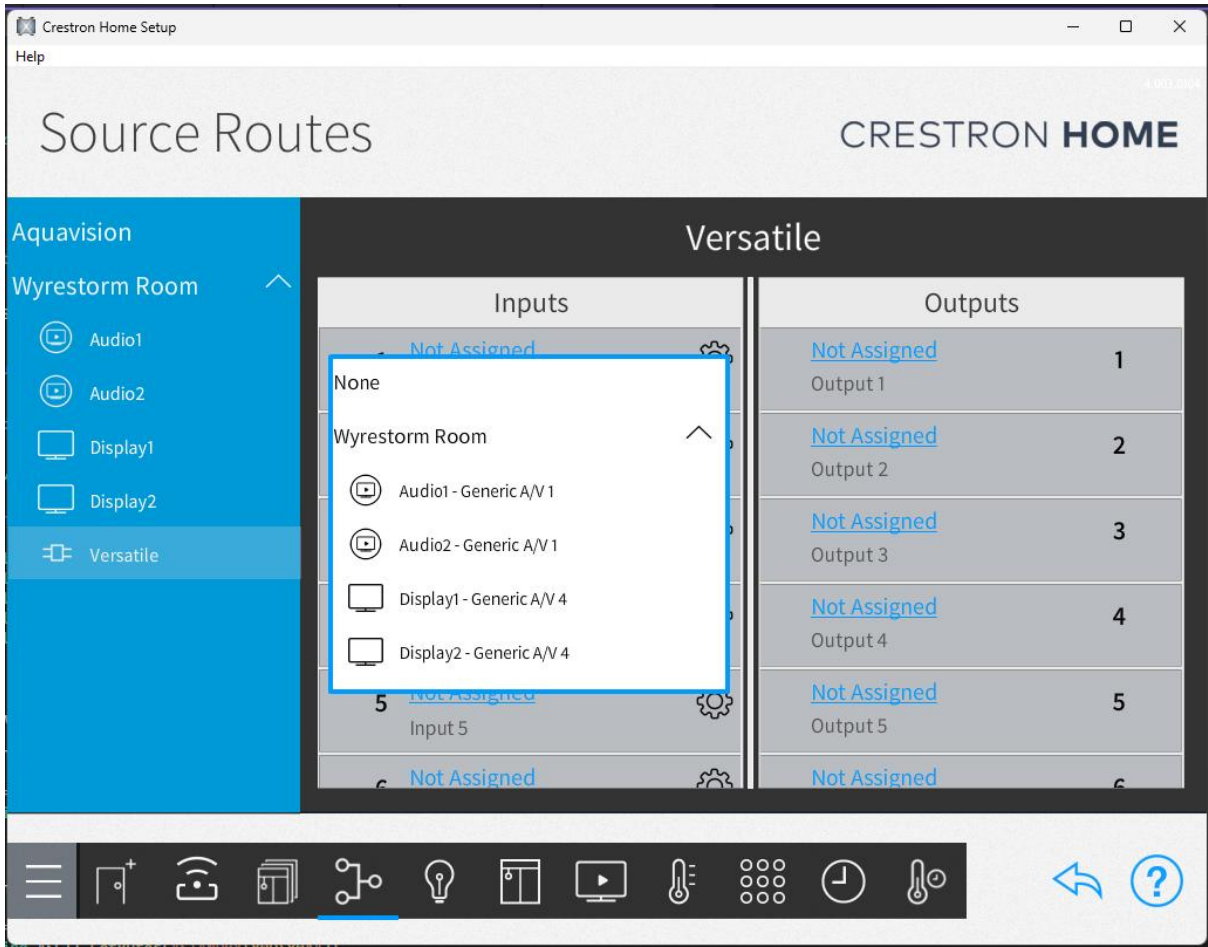
For devices that operate permanently offline. Not required for devices with an Internet connection.

OK Cancel

4. **Power Command Requirement:** If your matrix requires power control, make sure the Power Command Required checkbox is enabled. If your Wyrestorm device stays on all the time, this box can be left unchecked.
5. **Input/Output Mode Configuration:** Set the Input/Output Mode using the integer input field. This determines how input/output signals will be routed. Enter one of the following values as defined in the table below.
6. **Offline Key (Optional):** The driver is licenced via the cloud, but an optional "offline" key can be requested under special circumstances. Please **FIRST** refer to the "Licensing" section below and then contact support@ultamation.com if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.
 - If you do not have a cloud licence and do not enter a valid offline licence key, the system will function for ONE hour and then control will be suspended.
 - The offline licence key can be entered at any time after initial setup without having to reconfigure each tile.

7. **Using the Matrix:** Once the matrix is added, it will appear within the **Source Route** configuration in Crestron Home. You can assign existing sources to the inputs and assign your display/audio devices to the outputs.

Value	Supported Models
1	• MX-0404-KIT • MX-0808-KIT • MXV-0606-H2A • MXV-0606-H2A-70 • MXV-0808-H2A • MXV-0808-H2A-70 • MXV-0808-H2L • MXV-0404-H2A-KIT
2	• MX-0404-HDMI • MX-0404-H2A • MX-0606-H2A • MX-0808-H2A • MX-0808-H2A-MK2
3	• EXP-MX-0402-H2 • EXP-SW-0X01-8K • EXP-SW-0401-H2 • MX-H2XC • MX-0404-SCL
4	Other (Not specified)



When a source is selected for a specific zone, the driver will send the appropriate switching commands to the Wyrestorm matrix, and switching actions can be verified via the matrix's front panel.

SUPPORT

If you have any issues with an integration solution please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

LICENCING

This integration solution (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The integration solution is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the integration solution's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this integration solution and this will be a separate, purchasable, product.

CLOUD LICENCE

This integration solution contacts Ultamation's licencing server at startup. If the server finds a matching licence for the integration solution and processor then the integration solution will be licenced. Otherwise, the integration solution will check the offline licence key. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the integration solution **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the integration solution will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact support@ultamation.com with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

NOTE: Once an offline key has been issued no further licence changes will be granted. Moving the integration solution to a new processor will require an additional licence purchase.