Vanco EVO-IP

Vanco EVO-IP Driver

1.3.0



Evolution HDMI-Over-IP

Control4 Driver User Guide

Driver Developed By



Introduction

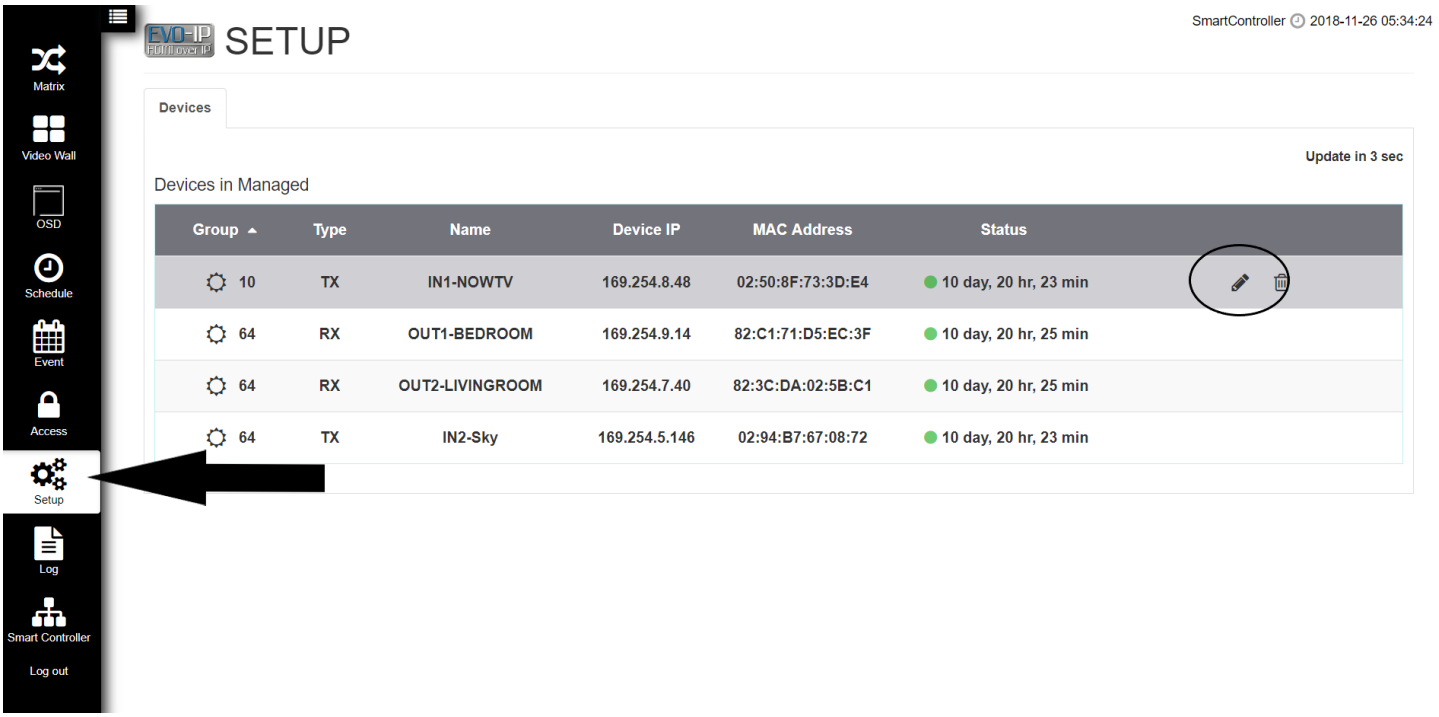
This driver has been designed to provide two-way control of Vanco EVO-IP devices, via TCP/IP. This driver has been tested using firmware version ScaV2-02-96

Vanco Configuration

It is recommended that the system be installed, configured and tested by a suitably qualified engineer.

It is necessary to configure an **Alias** (name) for each transmitter (input) device and each receiver (output) device. To do this, follow the below steps:

1. Access the Vanco web interface. This can be done by entering the IP address of the IP Control Box into the web browser of a computer connected to the same network (the default username/password is “admin”/“admin”). The IP address can be found simply by connecting the control box to an output via HDMI. Settings such as the IP and mac address will display on screen.
2. Navigate to the “Setup” tab
3. Hover over the device you would like to set the Alias for, and then click the “edit” button.



4. You can edit the device name in the **Alias** field, clicking Apply when done. Note that the name must comply with the following conventions:
   – For Transmitter (input) devices: IN[number]-[name]
   – For Receiver (output) devices: OUT[number]-[name]
   – It is important that each name begins with “IN” or “OUT”, which is then followed by the input or output number. You can then optionally add a hyphen (-) followed by an appropriate description for the device (note that no spaces are allowed). For example, in the screenshot above, the first input is named IN1-BluRayPlayer, equally valid is just IN1.

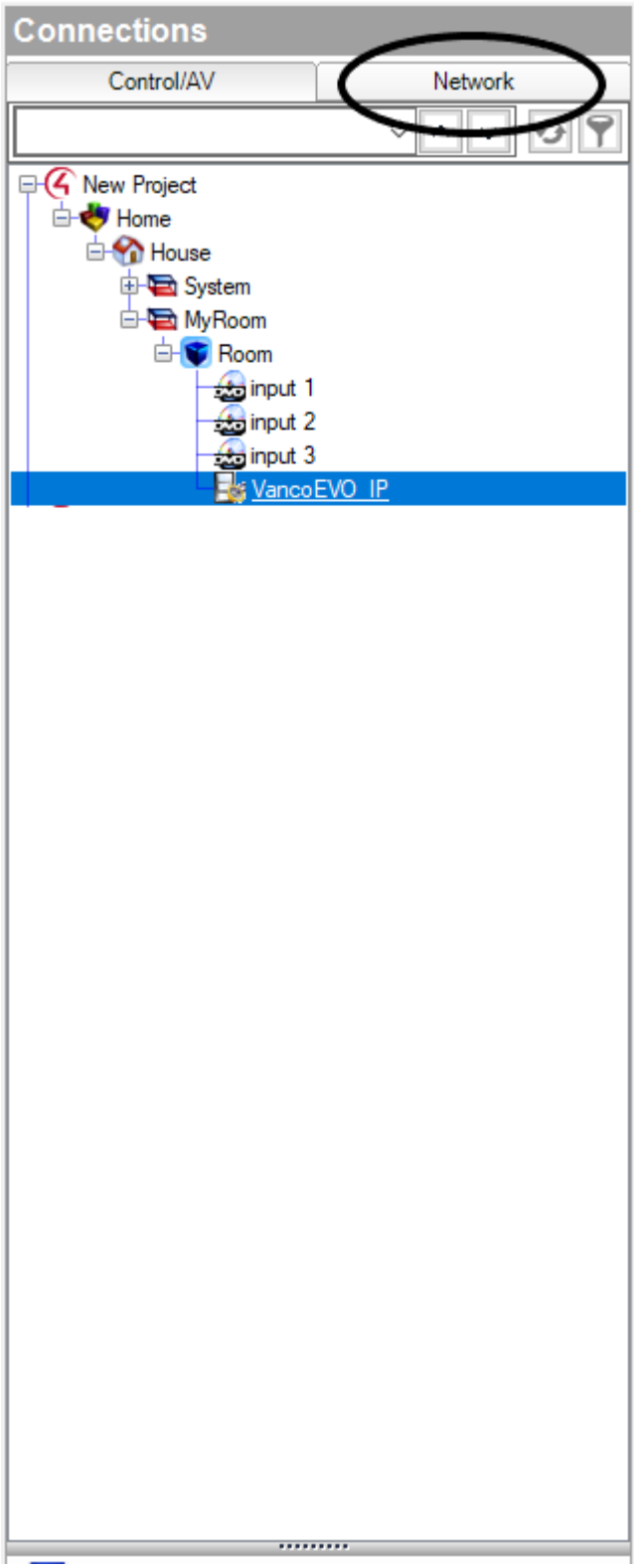
Driver Installation

Copy the .c4z files from the zip package to your Control4 driver location (for example, MyDocuments\Control4\Drivers) and then open Composer. The drivers can be found under:

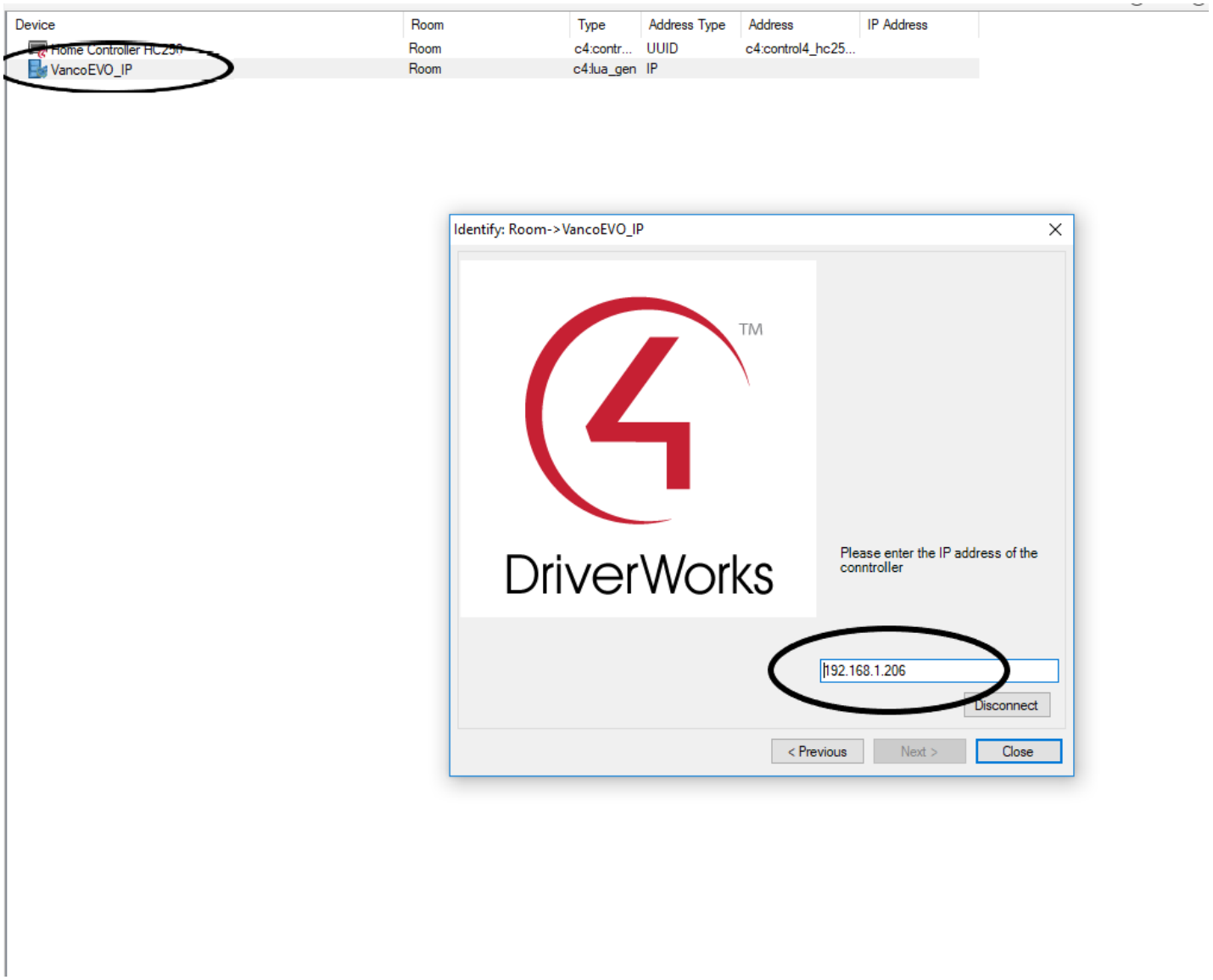
Device Type: A/V Switch, **Manufacturer:** Vanco, **Model:** Vanco EVO_IP nxm

…where “nxm” is the number of inputs and outputs. Choose the version that most closely matches your needs. The drivers are all effectively the same; different output configurations are provided to avoid cluttering your project with unwanted inputs and outputs.

To establish a connection between the driver and the Vanco system, go to **Connections** and choose the **Network** tab:

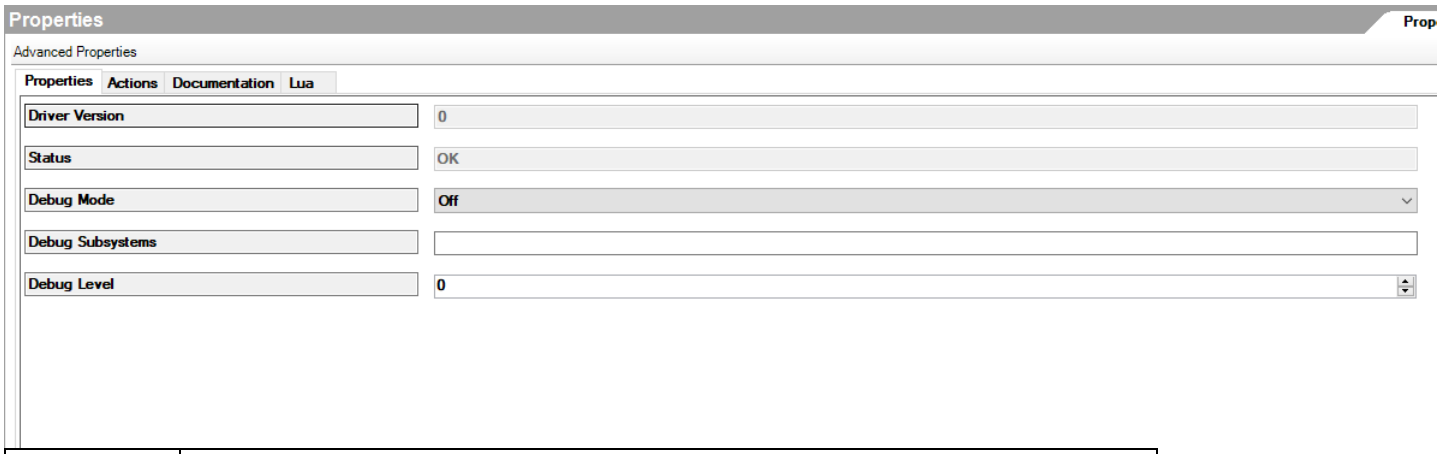


Double click on the Vanco device and enter its IP address in the window that appears:



Driver Configuration

You may now configure the video connections in the **Control/AV** tab according to normal Control4 practice. Select the newly added driver in the **System Design** view to display its properties:



Property	Description
Driver Version	Reports the release version of the driver
Status	Should be Operational when actually in communication with the Vanco system. Any other status indicates a connection problem of some sort.
Debug Settings	**Debug Mode:** Support use only **Debug Subsystems:** Support use only **Debug Level:** Support use only

Driver Commands

The driver features a number of device-specific commands used for control. Wherever a list of inputs or outputs is required, these should be **comma separated** (e.g. 1,2,3,4).

Command Name	Description
Save Preset	Save current input to output switching configuration as a preset. **Preset** - Choose a preset number. **Outputs** - The output numbers whose configuration should be saved. An empty list will save everything. *Currently only one preset can exist at a time using the API. Any new preset will overwrite previous one.*
Recall Preset	Recall preset number. **Preset** - Choose a preset number.
Switch Multiple Outputs	Switch all listed outputs to the given input. **Input** - input to show. **Outputs** - list of outputs to switch to that input. Expressed as x,y,z. For example 1,2,3.
Create Video Wall	Creates a video wall with a name and size. Also specifies the inputs and outputs to show on the video wall. **Wall Name** – Unique wall name (referred to by other commands) **Size** - The video wall screen configuration expressed as w,h. For example 2,2 creates a 2 x 2 (4 screen) video wall. **Input** – Input to show on the video wall **Outputs** - The output numbers used to create the video wall. This field must contain a number of outputs equal to the amount defined in the Size field.
Switch Video Wall	Switch input on specified video wall. **Wall Name** - The wall to switch input on, defined previously with Create Video Wall. **Input** - The new input to shown on the wall.
Toggle Video Wall	Turn video wall on/off. **Wall Name** - The wall to toggle, defined previously with Create Video Wall.
Delete Video Wall	Delete video wall. **Wall Name** - The wall to delete, defined previously with Create Video Wall.

Factory Reset Transmitter	Factory resets the device **Input** – Transmitter to reset
Factory Reset Receiver	Factory resets the device **Output** –Receiver to reset
HDMI Toggle Mute Transmitter	Turn display off/on for all outputs connected to the transmitter **Input –** The transmitter to mute
HDMI Toggle Mute Receiver	Turn display off/on for output **Output –** The receiver to mute
Reboot Receiver	Reboot the receiver **Output –** The receiver to reboot
Reboot Transmitter	Reboot the transmitter **Input –** The transmitter to reboot
Reboot all devices	Reboots all transmitters and receivers