



HDanywhere Modular HDMI Matrix Switch Driver

For use with:



Driver software written and provided by:



HDanywhere / Control4 Driver for Modular HD Matrix Switches

Introduction

This is a reference manual to describe the interface provided between a Control4 system and an HDanywhere Modular HDMI Matrix Switch, via Ethernet.

These modules were written and tested using Composer version **2.4.0** running on an HC-800 controller.
The driver version is currently **v111**.

HDanywhere Matrix Configuration

You must configure the HDanywhere Modular matrix with a static IP address on the same network as your Control 4 processor.

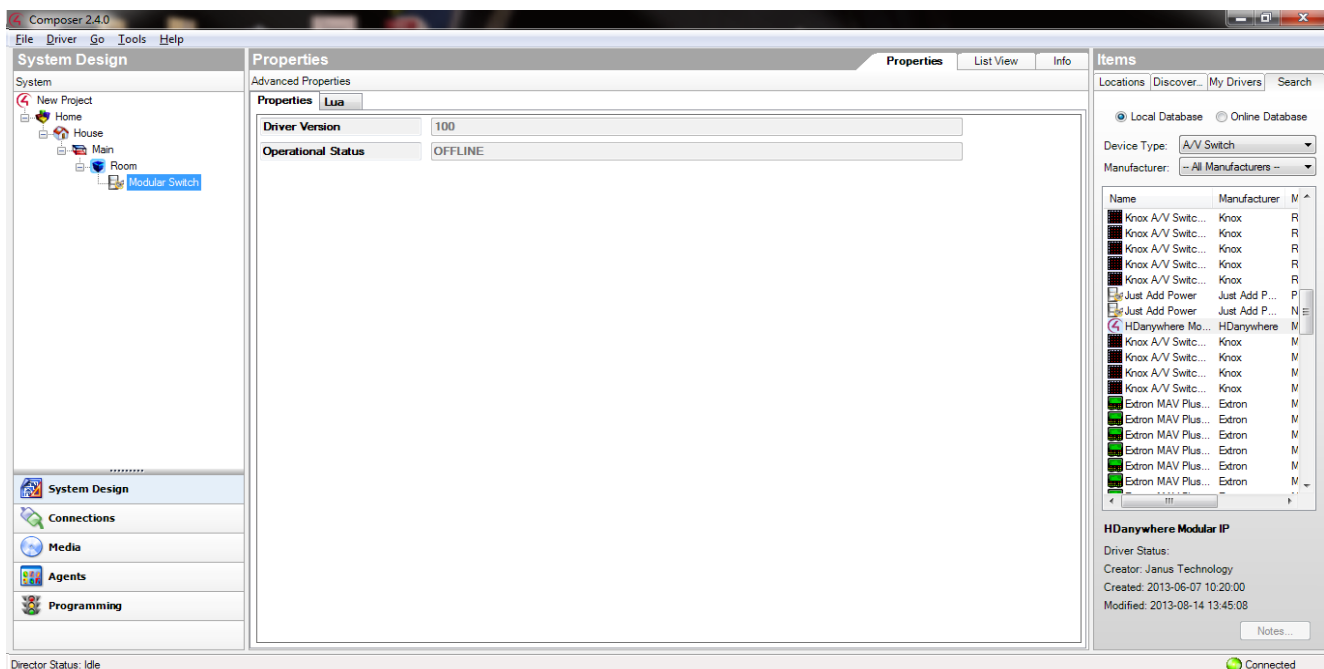
1. Remove the SD card from the front of the matrix and insert it into the SD slot of a PC.
2. Choose to edit the **settings.ini** file, using a text editor e.g. Notepad.
3. Edit the **[Network]** section, entering a static IP address.
4. Save the file, remove the card from your PC and re-insert it into the Modular matrix.

Control4 Configuration

Configuring the matrix drivers

1. Copy the .c4i files from the zip package to *My Documents\Control4\Driver*.
2. Open Composer.
3. The 4x4 and 8x8 matrix drivers can be found under Device Type : AVSwitch – Manufacturer : HDanywhere.

An added driver will appear as a **Modular Switch**, as shown below.

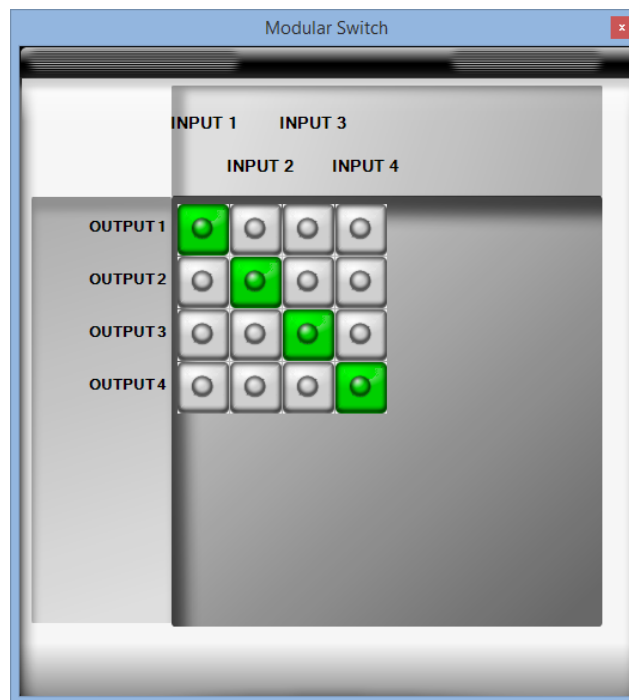


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Next, choose **Connections** and select the **Network** tab. Double click on the Modular Switch in the **IP Network Connections** list and enter the IP address of the Modular matrix. Upon returning to **System Design**, the driver should now report “ONLINE” as its **Operational Status**.

Configure the matrix connections as per standard Control4 practice, with as many HDMI input/output ports as the project uses. Note that the matrix additionally exposes audio input/output – these are to be ignored – they are only present so that the matrix feeds back correct status to the test mode.

Double-click the switch icon in System Design and a handy control window will appear.



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Configuring the CEC driver

The CEC drivers can be found under Device Type : Television – Manufacturer : Hdanywhere, and will appear in the system as **HDanywhere Display CEC**. Add the driver to your system.

Next, choose **Connections** and select the **Control/AV** tab. Clicking on the driver will display its available connections.

The screenshot shows the Control4 Connections window with the 'Control/AV' tab selected. The left pane shows a project tree with 'HDanywhere Display CEC' under 'Main' > 'Room'. The right pane, titled 'Control & Audio Video Connections', lists the following connections:

Name	Type	Connection	Input/Output	Connected To
Audio/Video Inputs				
HDMI_1	Video	HDMI	Input	
Audio/Video Outputs				
Output	Audio	STEREO	Output	
Control Inputs				
InterDriver Comms	Control	MODULAR_INTERDRI...	Input	Modular Switch->Output 1 Display CEC
Room Control				
Room Selection - Output	RoomControl	AUDIO_SELECTION	Output	
Room Selection - Output	RoomControl	AUDIO_VOLUME	Output	
Room Selection - Output	RoomControl	VIDEO_SELECTION	Output	Room->Video End-Point

Below the connections list, the 'MODULAR_INTERDRIVER_COMMS Output Devices' section shows a table of output devices:

Device	Name	Location	Connections
Modular Switch	Output 1 Display ...	Room	HDanywhere Display CEC->InterDriver Comms
Modular Switch	Output 2 Display ...	Room	
Modular Switch	Output 3 Display ...	Room	
Modular Switch	Output 4 Display ...	Room	

Connect the **InterDriver Comms** control connection to the Modular Switch output that is to control a display using CEC. You may now use the device Power On/Off commands to send CEC power commands via the chosen matrix switch output.