

### **Advanced DMX for Control4 version 3**

### **Quick Start Guide**

Connect the RS-232 DMX Engine to your Control4 Controller using a DB9 straight serial cable with NO PIN4 (try not use homemade cable). Control4 3.5mm to DB9 cable will work as is with no modification.





# **2-** Connect the XLR or RJ45 Output of the DMX Engine to your DMX Decoders and connect to output of your DMX Decoder to the LED



Check this video for more explanation:

https://youtu.be/4pu3hSwRILM



# **3-** Set the channel on each DMX decoder



Using any free DMX Calc mobile app or the included PDF chart.

https://play.google.com/store/apps/details?id=com.dezelectric.dipswitch&hl=en

http://www.look4ideas.com/techstuff/dmxchart.pdf

#### FUN Switch must be OFF!

Set each decoder to the same channel if you want the LED strip to react all together or set them to different channels if you want them to be controlled independently. An RGB decoder use 3 channels and the 12-channel decoder will use 12 channels, so the next decoder connected must use a channel number stepped by those numbers.





# **4–** Add the RS-232 DMX Engine driver to the project and provide a valid

#### license

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Online Licensing trough DriverCentral is recommended. It is done using the Cloud driver. Check DriverCentral documentation to know how to use the Cloud driver and project token.

Offline licensing is possible on request. Offline license are tied to the controller and must be used only on a mission-critical system where Internet access is unreliable.



## 5-

# Bind the DMX Engine to the right serial port and validate communication using the *Status* Property

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Do NOT use Core5 DB9 ports or HC-250 Serial Ports! Only 3.5mm serial port will work on Core5. Any other controller should work perfectly. Don't ask me why...

IMPORTANT: your DMX Engine must be running firmware v5.072 or later!

If any error shows here, please check the Troubleshooting section.



# **6-** Go to the Action tab and try select the All Channel On action

System Design	Properties Properties List View	
System	Properties	
System System Vew Project Home Main Second Room RS-232 DMX Engine Room 2 Second Room 2 Room 2 Second 2 Room 2	Properties Properties Properties Actions Documentation Lua Get Firmware Display DMX Devices Query DMX Buffer Display DMX Buffer Recover From Buffer Rebuild Channel Devices Monitoring Display Scene Database Delete Scene Database Rebuild Scene Database Stop All Fades	
	All Channel On All Channel Off Display Engine Debug Log	

Validate that your DMX Lights turns all ON and if not, check the Troubleshooting section.



# **7** - Add individual driver for each DMX load type you want to control

Here's the description of each available driver:

#### DMX Universal Dimmer – The single driver that does it all

A unique driver that can be used to control a single or a group or DMX lights. It can work as a single color/white dimmer or RGB/RGBW/Tunable CCT controller/dimmer by taking advantage of Control4's OS 3.3.x Color Wheel interface. Support Advanced Lighting Scene and all Control4 Light Proxy options.

#### DMX Effect Switch – Create stunning color change effects in a minute

Easily create color changing effect, chase, fireball, vortex and more in a minute using simple settings. No programming, no timer, and a simple On/Off switch to allow your customer to start his light show.

#### DMX Sequencer / Sound-to-Light – Combine effect to create a lightshow

This driver allows to combine up to five DMX Effect Switch to create a dynamically changing lightshow triggered by timers or music beat.

## For more information, please check the documentation tab of each driver within Composer Pro



### Troubleshooting

Before contacting us, please check those simple resolution to common problem that happen frequently:

Trouble	Common causes
Can't get the Firmware Version to show up in	- Make sure the DMX Engine is powered up and
Properties	running by checking the LED on the DMX Engine
	(two LED steady and "DMX" LED flashing rapidly)
	- Make sure you're using a molded Male-Female
	DB9 Straight Cable (no homemade cable)
	- Make sur you've removed the PIN4 on the Male
	DB9 connector of your cable
	- Make sure the Binding is done to the correct
	controller's serial port in Composer. You can also
	try to switch to another serial port.
	- Make sure your license code is valid
	- Check the DMX Engine power supply, do NOT use
	a third party replacement power supply, only use
	the one bundled with the DMX Engine
Can't control any DMX lights	- Make sure the firmware version is show in the
	DMX Engine driver property
	- Try the All Channel On action on the DIVIX Engine
	driver in Composer
	- Check the soldering on the XLR Connector going
	Note our your XLD to DIAE coble is good and use
	the right nineut (or use a promade cable)
	- Most DMX decoder have a status LED on it check
	if this LED start flashing quickly when you plug the
	DMX cable in it. It should flash slowly when the
	cable is unplugged
	- Try your DMX Decoder with any other DMX
	controller such as a light console or an USB DMX
	Interface, make sure they can work.
Some DMX lights does not work	- Try to narrow down the faulty DMX Decoder by
	unplugging every decoder on your chain one by
	one
	- Check the solder into ant of the XLR connector
	you're using
	- Try your system with only one decoder hooked up
	to the DMX engine and make sure it work
Not all features are working	Confirm that your DMX Engine runs at least
	firmware version 5.072



Advanced Lighting Scene does not come "Active" when activated	<ul> <li>Remove any RGB Dimmer's "Master" dimmer from the scene</li> <li>Do not use Group Dimmer in the scene</li> </ul>
All Lights turns off randomly for no reason	<ul> <li>Check the DMX Engine Status property and ensure it shows the firmware version</li> <li>Make sure you're using the right power supply for the DMX Engine</li> <li>Check the LED on the DMX Engine and make sure the "DMX" light in flashing rapidly and constantly</li> </ul>
Parallel tasks does not react well	You may have too many effects that run with very little "Hold For" delay, using very little delay require more commands to be sent quickly thus may saturate the serial bus.

## If you have any other issue, please contact DriverCentral support.



Thank you for your support!



### Check out our DMX Demo Video and Tutorials at:

### http://www.youtube.com/domaudeo

### Visit the Control4 Dealers Forum at:

https://forums.control4.com/tm.aspx?m=299729&mpage=1&key=&#299729

### or public forum at:

http://www.c4forums.com/topic/18466-domaudeo-advanced-dmx-rgbrgbwled-and-low-voltage-light-control-solution/

