

## Overview



The DiGidot C4 is an in-house development of DiGidot based in Amsterdam, the Netherlands. This advanced LED driver is a product of our own field experience; we felt that no LED controller had all the options that most project require. The DiGidot C4 is a small and powerful LED controller, that suits all kinds of situations. One device drives more than 6000 singles LEDs. Furthermore, it supports 40+ IC types and various industry standards. It's all you need in LED and show control!

## Features DiGidot C4 Live



### Support for more than 40+ types of LED

The DiGidot C4 Live supports more than 40+ of the most commonly used SPI protocols to control LEDs what makes the DiGidot C4 by far the most advanced LED controller. Not only does the DiGidot C4 has SPI support but also rerouting of DMX to Art-Net or Art-Net to DMX.



### Output up to 12 Universes - Art-Net to SPI conversion

Easily choose how much LEDs you want to control! The DiGidot C4 live comes in a 4, 8 or 12 universes license. You can even scale up your installation by upgrading your license to max 12 universes per DiGidot C4 or even by daisy chaining multiple DiGidot C4 devices together with the unique build in ethernet switch.



### Advanced Mapping

Each of the four digital outputs on the DiGidot C4 can control up to 1536 individual controllable lights in its most ideal setup. That's up to 6144 individual lights in total. You can freely change the protocol of the outputs, assign universe numbers, change the start address and change the advanced settings of each universe.

### Merge Inputs

When your working with a setup using multiple sources of Art-Net input, the DiGidot C4 can merge the two inputs based on a HTP-Merge called a parallel universe. Our HTP-Merge has proven itself during live shows up to 200 Art-Net universes.

### Adjustable color order

Sometime the color order of a Art-Net input doesn't match the LED's ur using. Simply changing the color order within the advanced settings of the Art-Net input universe solves your problem.

### Combine channels

The future is 16-bit control over your LED installation. With combine channels you can merge two 8-bit channels into a 16-bit channel. Doing a fade from 50% to 0 over a few seconds will now look a lot smoother. Of course you will need to have 16-bit LED's for it to work.

### Art-Net ip address filters

Build in Art-Net ip address filters allows you to filter all the incoming signal and listen for a specific Art-Net universe on a specific ip address. Very useful in large setups!

### Less is More!

Previously some installations required multiple Art-Net to DMX nodes and DMX to SPI decoders, where the DiGidot C4 is all of that in one. It replaces 12 Art-Net nodes and SPI decoders. So you can say; less devices, less cabling, less installation time meaning less costs. Furthermore, the DiGidot C4 comes with a build in ethernet switch, so you can daisy chain multiple DiGidot C4 devices.

### Repeat channels

Optimise your input - output when having to control identical objects by repeating your incoming Art-Net channels and repeating them multiple times to your output. In the advanced options you can set how many channels you want to repeat and how many times those channels are repeated.

### Multiple dimming curve options

Often, when dimming, the amount of light output doesn't change much in the first half of the dimmers range and then drops fast when the dimmer is past halfway - leaving half of the dimmers range virtually unused. The DiGidot C4 provides smart logarithmic dimming curves that suits every the right dimming for every situation.

### Art-Net routing

Art-Net routing comes in handy when having DMX input that one would like to convert to Art-Net or when a Art-Net universe needs to be redirected to another Art-Net universe.

## Features DiGidot C4 Extended

There are occasions in which the lighting installations requires recordings, play and trigger functions, The DiGidot C4 Extended brings you exactly those specific features and of course the same functionalities as the DiGidot C4 Live.



### Record your favorite scene's

The DiGidot C4 Extended allows you to record your input up to 8 universes and process the recording into a flawless looping scene. The DiGidot comes with a 8Gb industrial graded MicroSD card to store all your favorite scenes.



### Triggering those favorite scene's

Triggering was never so easy and versatile. The DiGidot App or build-in web interface contain a rich set of tools to setup actions like playing a scene list with individual playing time, cross-fade while transitioning to the next scene and brightness control and all of that with the wide variety of inputs, like DMX, Art-Net, time based, 3 x analog contact closure, power cycles, UDG, HTTP-Get, the build in button and the DiGidot App.

Connectors & Interfaces		Triggers	Trigger your action when:
4	Configurable data outputs for world standard LED protocols, DMX and DMX TTL	<b>Power Up</b>	powering up
2	Ethernet, RJ45 compatible, for 10/100Base-TX Ethernet with Static IP -Address	<b>Clock</b>	the battery-backed clock is reaches a specific date/time
1	Wi-Fi for 10/100 Base-TX Ethernet with Static IP Address or DHCP	<b>Button</b>	the onboard button is used
1	DC jack for powering the DiGidot C4 5-24V DC	<b>Analoge</b>	analogue 1, 2 or 3 us used
1	Terminal connector for powering the DiGidot C4 5-24V DC	<b>UDP</b>	receiving a UDP message
1	Analog input (TRRS) for 3 contact closures or 1-10v triggers	<b>HTTP-Get</b>	receiving a HTTP-GET
1	Button for Triggering or factory reset	<b>DMX</b>	receiving DMX512
<b>GUI</b>	The DiGidot C4 has a build in web-based user interface that allows you the setup the device, records scenes and create triggers	<b>Art-Net</b>	receiving Art-Net
<b>App</b>	The DiGidot C4 app is available in the Apple App-Store and Google Play Store.	<b>App</b>	Apple IOS, Android or build in UI
Output & Input			
<b>Art-Net</b>	Art-Net, Art-Net II, Art-Net III - both input and output		
<b>DMX</b>	2 x DMX512 - both input and output		
<b>DMX TTL</b>	4 x DMX TTL - output only		
<b>Data</b>	4 x 3 universes SPI max - output only		
<b>Data / Clock</b>	2 x 6 universes Data / Clock max - output only		

### Specifications of the DiGidot C4

<b>Electical</b>	Power	5-24V 5W
<b>Mechanical</b>	Housing	Acrylonitril Butadien Styreen
	Size	153(w) x 74(d) x 28(h) mm
	Weigth	140gr
	Mounting	flat service mount or DIN rail
<b>Enviromental</b>	Operation temperature	0 to 50 C / 32 to 122 F
	Operating relative Humidity	90% Indoor Use Only
	Warranty	2 years
<b>Protection</b>	Power	Reverse polarity
	Digital input / output	Overvoltage protection (max 24V)
	Analog input	Overvoltage protection (max 30V)
<b>Control</b>	Control	Up to 12 ArtNet Universes or 2 DMX Universes
	Channels	Up to 6.144 ArtNet channels or 1.024 DMX Channels
	Input protocols	ArtNet (1, 2 & 3), DMX, DiGidot IOS app
	Output protocols	Art-Net, DMX512, DMX TTL
	Addressable LEDs	APA102, MBI6024, TM1809, WES9412, APA104, MY9221, TM1812, WS943, APA106, MY9231, TM1914A, WS2801, BS0901, PC5XS301V0500, UCS1903, WS2803, DM412, SK6812, UCS1904, WS2811, DMX, SK6812RGBW, UCS2903, WS2812, DMX TTL, SM16703, UCS2904, WS2812B, GW6205, SM16716, UCS2912, WS2812S, INK1003, SM16726, UCS512B3, WS2813, LD1510, TM1803, UCS8904, WS2818, LPD6803, TM1804, UCS9812 and many more
<b>Certifications</b>	Output connector	Pluggable terminal block
	cETLus Listed	5010008
	CE	No.2016/119-1

