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DiGidot
PUSHING CONTROL BOUNDARIES

C4 Extended Specification Sheet

PUSHING CONTROL BOUNDARIES

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DiGidot

The DiGidot C4 Extended is a multi functional LED pixel controller that converts Art-Net and DMX to SPI protocols. The output capacity goes up to 8 universes, which is 4096 channels (depending on the C4 license). The internal DHCP server, Wi-Fi and free DiGidot App grand easy access of the internal web interface. A built in network switch allows multiple DiGidot C4 controllers to be daisy chained to create an extensive control network. The DiGidot C4 Extended offers Art-Net & DMX recording, playback and triggering. Extensive triggering options such as analog and digital triggers as well as the integrated calendar offer great flexibility for system integration. Countless extra features such as DMX in and out, Art-Net IP Address filter, Art-Net routing, HTP input signal merger, Art-Net & DMX Monitor, in-/output channel repeater, Gamma correction, adjustable fall back color, output limiters, make this the most powerful LED pixel controller on the market.

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extended 1	20201
extended 2	20202
extended 3	20203
extended 4	20204

DiGidot C4 Extended

description

The DiGidot C4 Extended combines all the DiGidot C4 Live features but includes many more powerful features such as recording, a scene generator, playlists, triggering functions, etc.

The DiGidot C4 Extended is the perfect solid state stand-alone controller. The DiGidot C4 supports more than 59 SPI protocols and many other industry standard lighting control protocols. We're constantly updating and improving our compatibility by adding new protocols you our system.

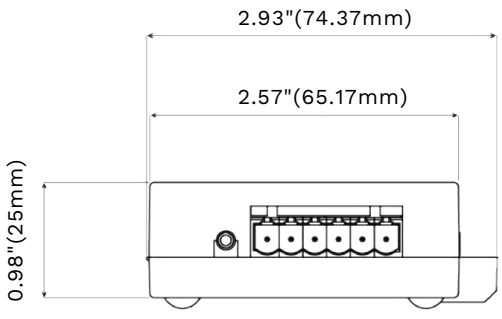
summary

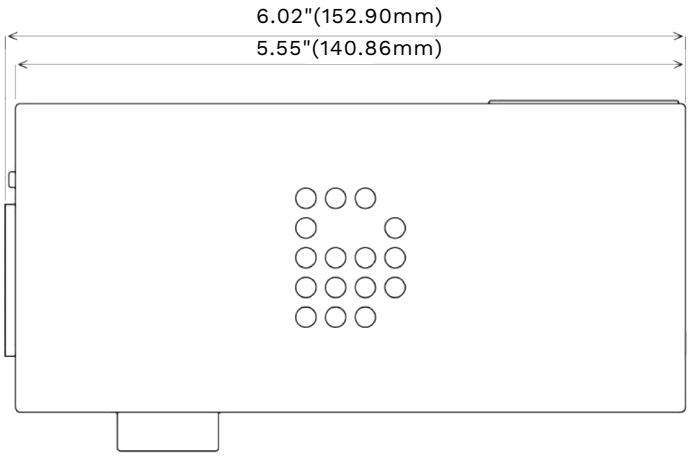
- Up to 8 universes (4.096 channels)
- Supports more than 59 protocols
- Art-Net + DMX in & out
- Art-Net/DMX recording & playback
- Analog & digital triggers
- Compact size
- Wide voltage range (5-24 Vdc)
- Easy to connect
- Web interface & free App
- Reliable & easy to use

part number

Part #	Description
050210	DiGidot C4 Extended - DMX/SPI Controller

technical drawings



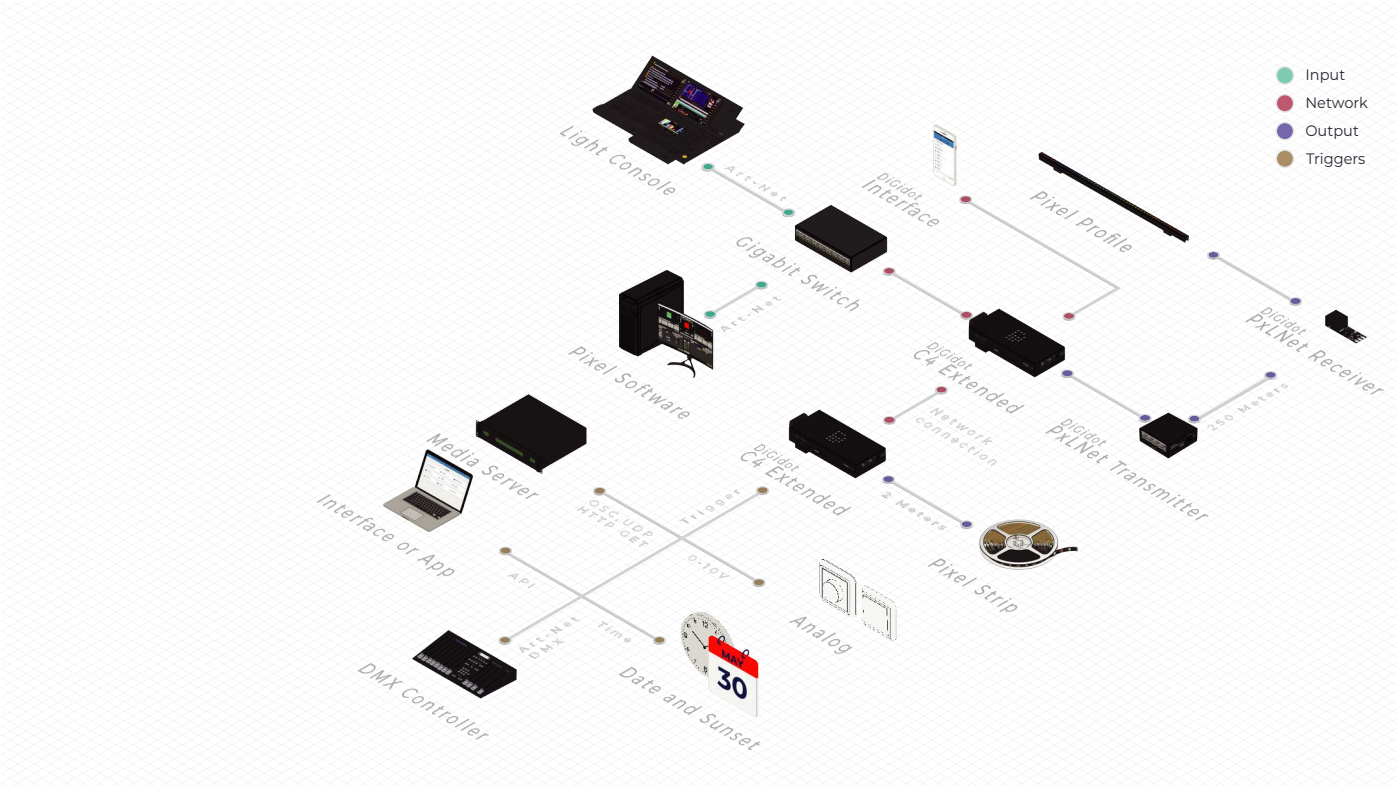


specifications

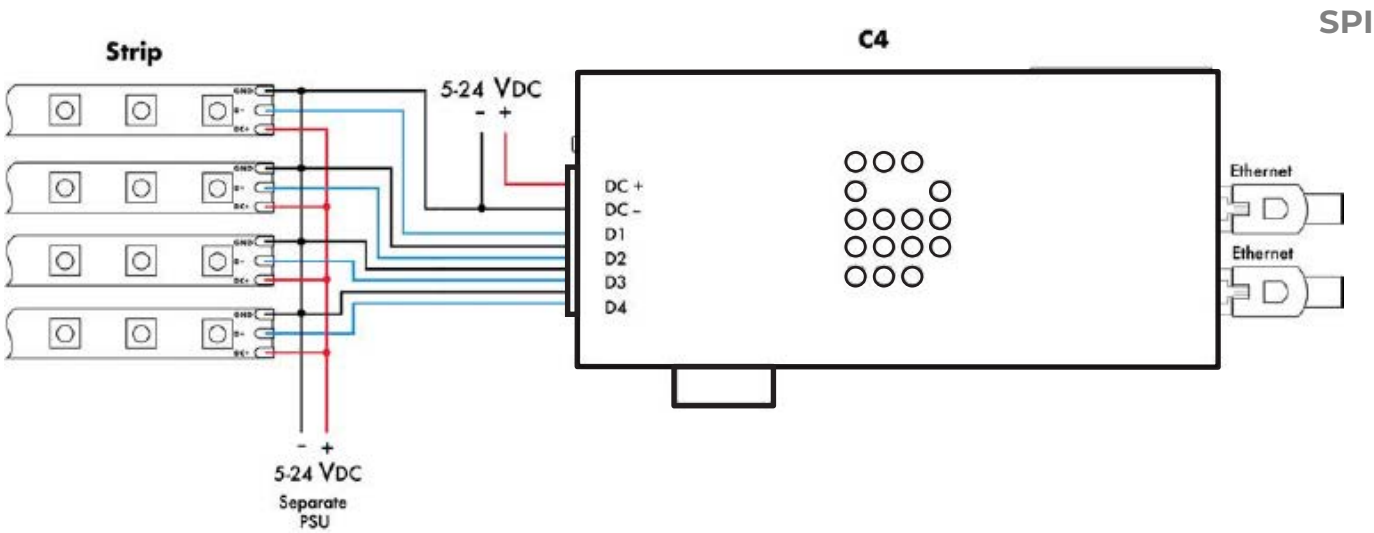
Input voltage	5-24 Vdc
Max. Power consumption	5W
Housing material	Self extinguishing Acrylonitril-Butadieen-Styreen(ABS)
Dimensions	6.02 x 2.91 x 1.10in | 153 x 74 x 28 mm | (L x W x H)
Weight	4.93oz | 140gr
Mounting	DIN-Rail or surface mounted
Operation Temperature (Tc)	32 to 122°F | 0 to 50°C
Ambient Temperature (Ta)	104°F | 40°C
Storage temperature	-4 to 122°F | -20 to 50°C
Operating relative humidity	90% (indoor use only)
IP rating	IP10
Input Protocols	Art-Net 1,2,3 & 4 | DMX512 (2 inputs)
Output Protocols	Art-Net 1,2,3 & 4 (out/through) | DMX512 (2 outputs) | DMX TTL (4 outputs) | 59+ SPI protocols (check supported IC's list)
Output channels	512 / 1048 / 2048 / 4096 Art-Net and/or up to 1024 DMX channels
Ethernet	RJ45 compatible, for 10/100 Base-TX Ethernet with static IP address or smart DHCP
Wi-Fi	10/100 Base Ethernet with static IP address or DHCP
Wi-Fi protocols	802.11 b/g/n (HT20)
Frequency range	2.4 GHz ~ 2.5 GHz (2400M ~ 2483.5M)
TX Power	Max. +20 dBm
Antenna	On board
WiFi Mode	Client + Access Point
WiFi security	WPA, WPA2
Encryption	WEP/TKIP/AES
Wiring	Max. 2,5 mm^2 | 14 AWG
Connectors	Power: 5-24 Vdc power jack, Art-Net Data: RJ45 bus, IO port: 6-pin Input/Output terminal connector
Compliances	CE, listed under No. 2016/119-1, cETL US, listed under No. 5010008, RoHs, UL Listed
Applied standards	EN60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1 /EN60950-1, EN61006-6-3, EN55032

extended specifications

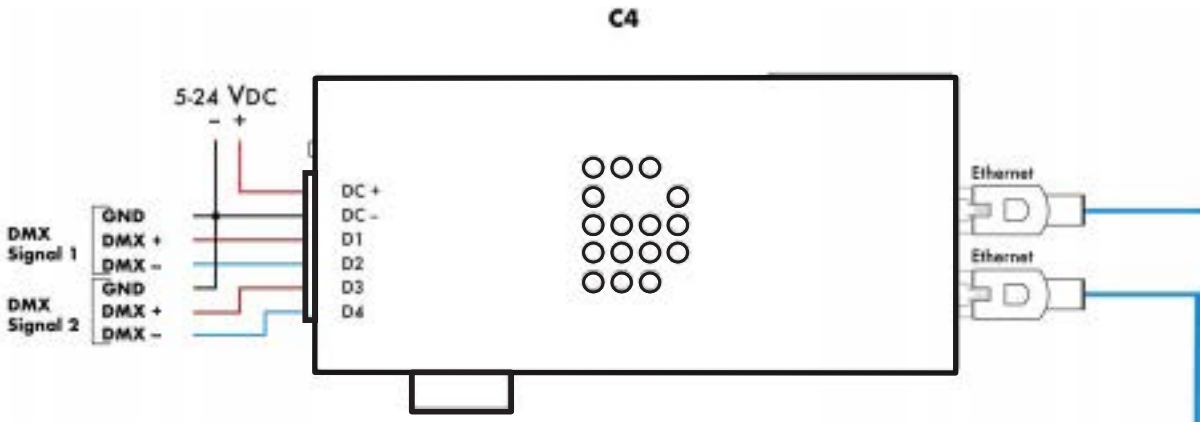
Trigger port	Max. 3 dry contacts Max. 3 analog inputs (0-10V, 1-10V, 50KΩ potentiometer)
DiGidot triggers	Internal timer/calendar, Sunrise/Sunset triggering (GPS or city based), Power up, Onwboard button, Art-Net, DMX, OSC, UDP, HTTP-Get, JSON, Internal tasks (playing/not playing a scene, presence or absence of Art-Net), DiGidot Web interface, DiGidot App
Memory card)	8 GB Industrial grade microSD card (4 GB for record buffer,



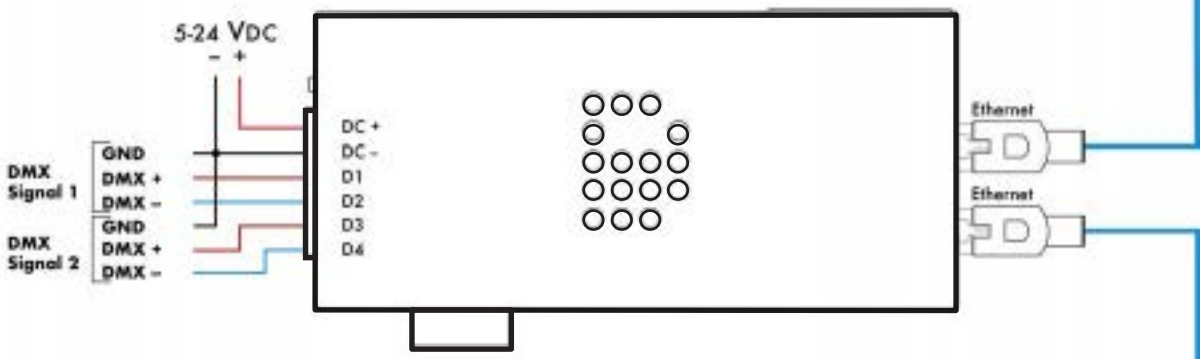
wiring schemes (data)



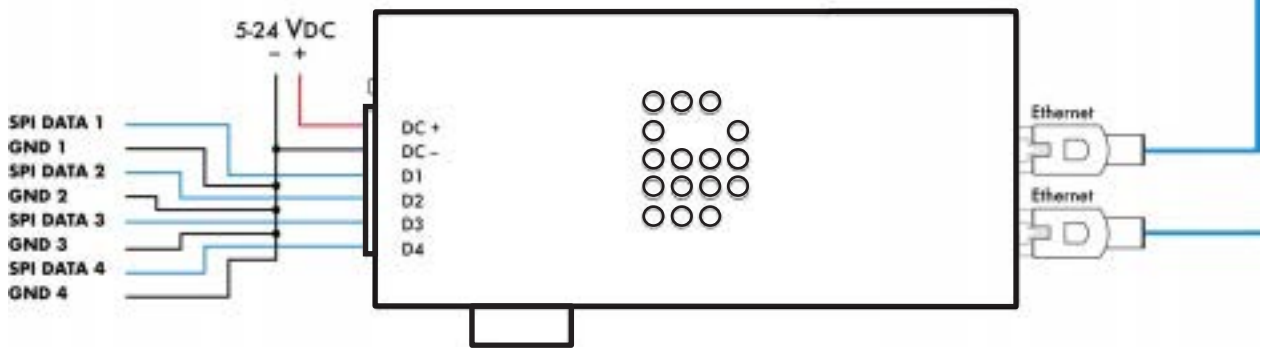
DMX in



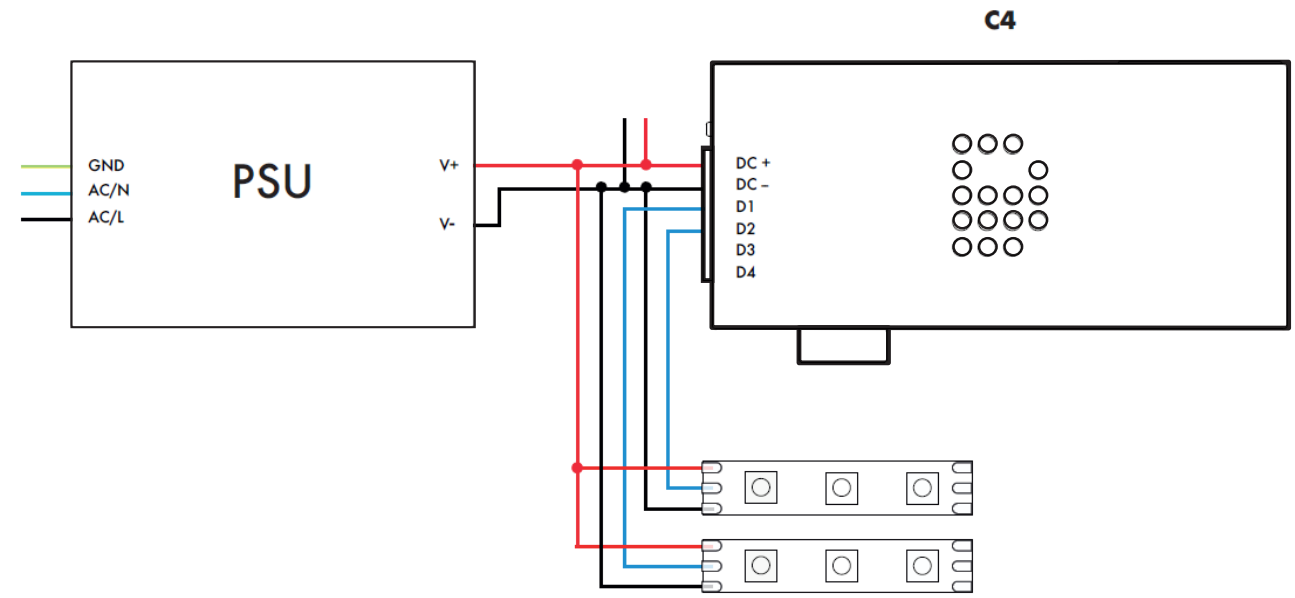
DMX out

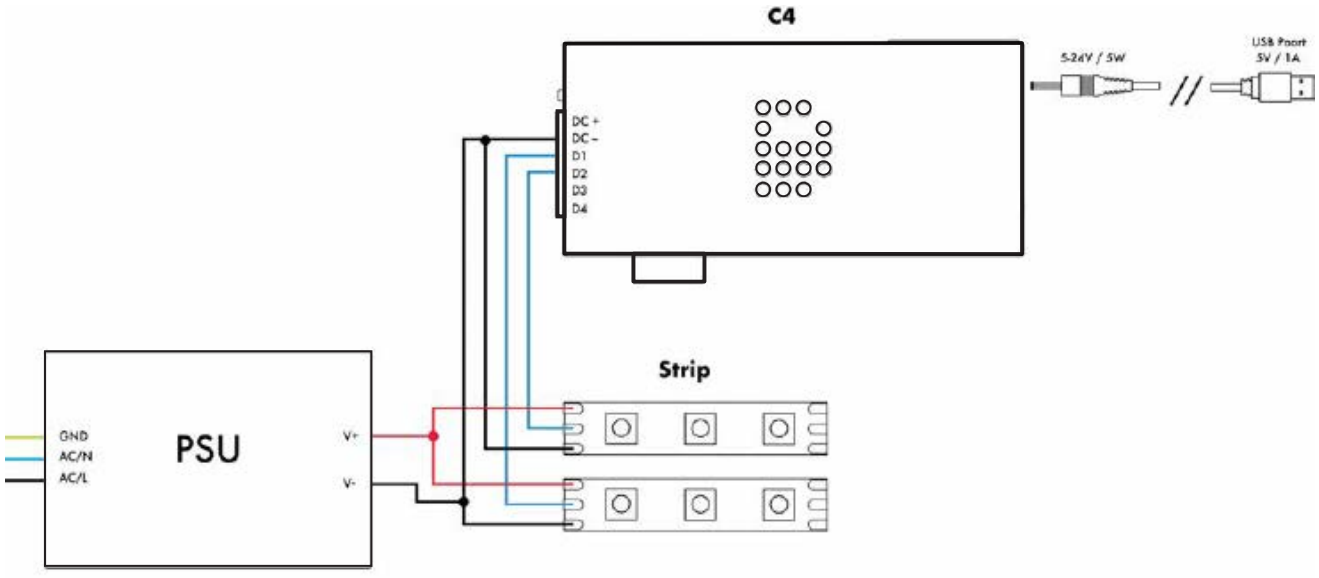


SPI



IMPORTANT: All Grounds, from the DiGidot C4 and all power supplies must be connected. The Ground output wires of each Data pair from the DiGidot C4 output must be equal in length as the Data wires.





For more wiring schemes, and technical information, please contact sales@organiclighting.com.

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