PUSHING CONTROL BOUNDARIES
Pixel control made easy

The DiGidot C4 is a powerful and multi-functional LED pixel controller which is able to convert Art-Net and DMX to more than 50 different protocols. DiGidot has set the standard in the market of LED pixel controllers, early on.

One DiGidot C4 controls up to 6144 individual channels and simplifies any project infrastructure to an unprecedented level.

The DiGidot C4 is the most powerful pixel controller of its kind and enables you to create innovative and creative LED projects of unparalleled proportion.

Passion is what drives us - industry innovation is what motivates us - your creativity is what moves us.

Every DiGidot C4 is packed with a lot of unique and powerful features.

‘The reason why I use the DiGidot C4 controllers is that they are flexible and easy to use for large scale Art-Net installations.’

Tapio Rosenius
Lighting Design Collective & Skandal Technologies
Scalability
The built-in Ethernet switch allows you to daisy-chain multiple DiGidot C4 controllers and create a huge device network to control any scale of pixel projects you can imagine. This means that the DiGidot C4 controller is no limiting factor for your project. As long as your infrastructure and Art-Net control platform are up for the job, DiGidot will be too!

Multifunctional
The DiGidot C4 is more than an Art-Net to SPI controller. Due to many powerful features we’re able to eliminate various hardware from your system setup and make it simpler and even more cost-effective. You don’t need any Art-Net nodes, no separate Art-Net to SPI decoders, no signal mergers/routers, no Ethernet switches (only for larger setups), no media servers or Art-Net controllers and no external trigger processing devices if you’re using the C4 Extended version and we’re able to simplify the overall infrastructure.

Compatibility
Most pixel-controlled LED products are being controlled by an integrated IC driver that communicates through a SPI protocol. There are many different IC’s/protocols available on the market but DiGidot strives to be compatible to all of them. Currently we are able to convert to more than 50 different protocols, which is unique in the industry. As soon as we come across a new protocol we will try to include it’s support within a firmware update.

Always up to date
Our dedicated team of soft- and hardware developers is constantly working on improvements and new powerful features which are frequently released through online or offline firmware updates. This means that the DiGidot C4 platform is growing and becoming more powerful all the time.

Control software & consoles
Any industry standard Art-Net or DMX control system can be used to control the DiGidot C4. To control the DiGidot C4 controllers, our customers have successfully used professional softwares and consoles such as Pharos, MADRIX, Resolume, ArKaos, MadMapper, grandMA, Chromateq, etc.
Up to 12 universes (6144 channels)
Supports more than 50 protocols
Art-Net + DMX in & out
Art-Net/DMX recording & playback
Analog + digital triggers
Compact size
Reliable & easy to use
Easy to connect
Web interface & free app
DiGidot C4

Which DiGidot C4 version is suitable for your project?

- **Website inputs, custom user interface,**
  - System integration, show control
  - JSON, UDP, HTTP, GET, OSC, Timer/Calendar, Action lists

- **LED pixel products, DMX fixtures,**
  - Digital Triggers
  - Spi, DMX512, DMX TTL, DMX RDM

- **Building management system,**
  - Analog Triggers
  - 0-10V signals, potentiometers,
    - dry contacts based input

- **Console, media server & software,**
  - Scene generator
  - Art-Net/DMX recorder

- **Art-Net & DMX,**
  - Record & Playback
  - Art-Net & DMX recorder

- **Console, media server & software,**
  - Record & Playback
  - Art-Net & DMX recorder

- **Built-in 2-port switch,**
  - Easy access
  - Multi-platform configuration interface

- **Built-in web interface,**
  - Free DiGidot app

- **Extented**
  - Multi-platform configuration interface
  - Scene generator
  - Art-Net/DMX recorder

- **Live Input**
  - Live Input
  - Art-Net & DMX

- **Data Out**
  - Data Out
  - SPI, DMX512, DMX TTL, DMX RDM

- **Digital Triggers**
  - Digital Triggers
  - SPI, DMX512, DMX TTL, DMX RDM
DiGidot C4
Live + Extended
Input voltage
5-24 Vdc
Dimensions (L x W x H)
53 x 74 x 28 mm
Input Protocols
Art-Net 1,2 & 3, DMX512 (2 inputs), DMX RDM and the DiGidot app
Output Protocols
Art-Net 1,2 & 3 (out/through), DMX512 (2 outputs), DMX RDM (2 outputs)
DMX TTL (4 outputs) and 47+ SPI protocols (check supported IC’s list)

DiGidot C4
Extended only
Trigger port
Max. 3 dry contacts
Max. 3 analog inputs (0-10V, 1-10V, 50 kΩ potentiometer)
Digital triggers
Internal clock, Power up, Onboard button, Art-Net, DMX, HTTP GET, UDP, JSON, SC, DiGidot C4 web based user interface, DiGidot C4 IOS/Google Play app, IO config files, etc.)