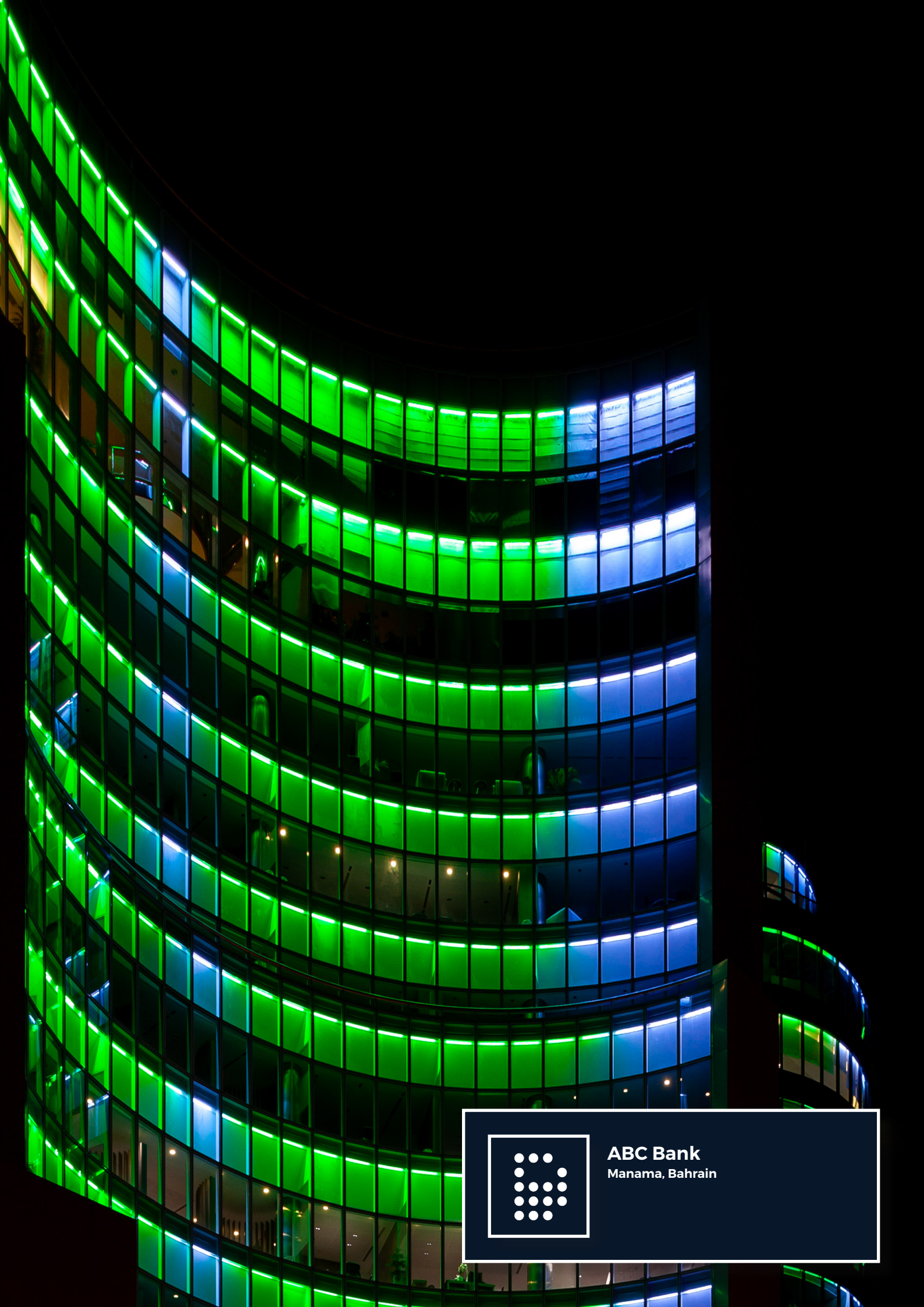
Product Catalog

DiGidot Technologies

2025

DiGidot

PUSHING CONTROL BOUNDARIES

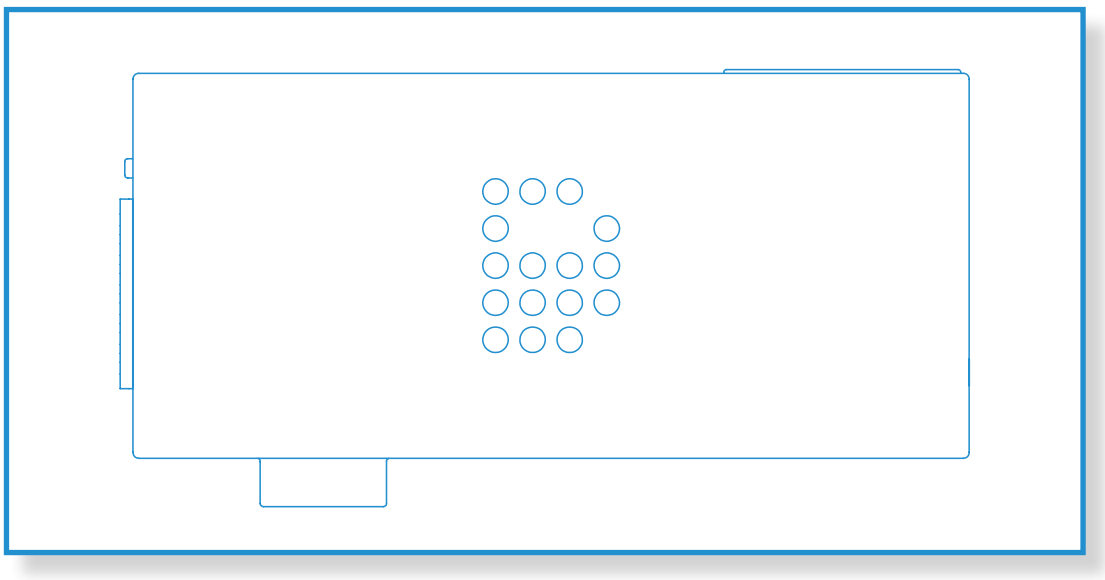

ABC Bank
Manama, Bahrain

Pushing Control Boundaries

DiGidot Technologies is a **passionate** tech company that develops products for a wide range of lighting control applications. We equip designers with the technology and freedom to innovate in the world of dynamic lighting.

The DiGidot ecosystem **simplifies lighting control** by replacing multiple devices and cables with a single black box. Additional features can be added to customize the solution for any situation.

We think innovative, design flexible, and make dynamic lighting **easy.**



What is DiGidot?

Efficient Wiring
Streamlined wiring infrastructure with minimal cables and a simple, easy-to-follow wiring topology.

Versatile
Easy scalability, from small-scale installations to large-scale projects.

Reliable
Hardware for 24/7 use, quality-checked to ensure optimal performance and frame rate.

Innovative
Pushing the boundaries of industry standards.

Industry standards
Compatible with a range of industry standards, such as DMX, Art-Net and sACN.

Easy to use
Intuitive interface, plug-and-play setup, remote management and reduce installation time.

Dedicated team
Extensive technical support from our global team.

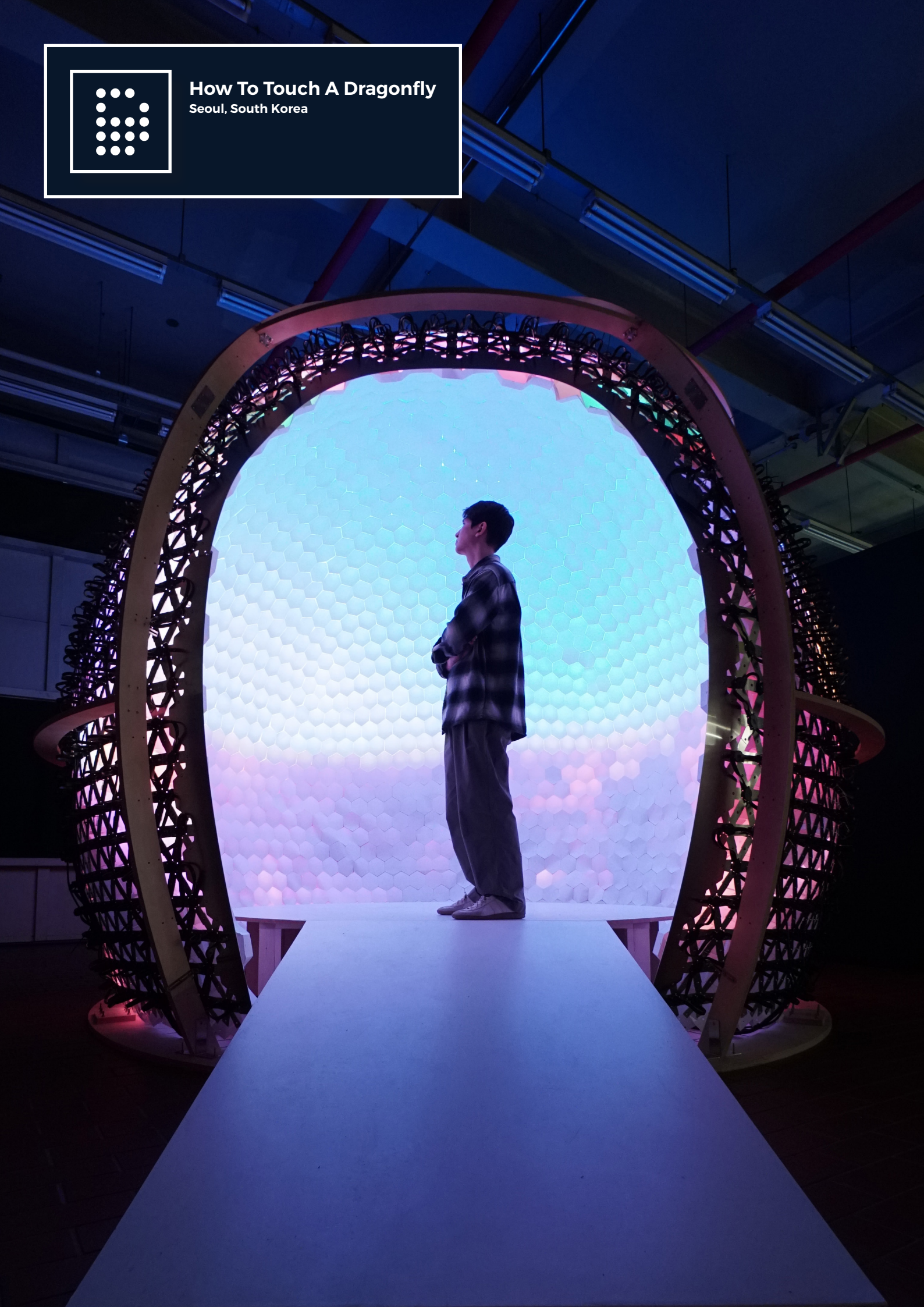
Always up-to-date
Free lifetime software updates.

Full solution for pixel controlled projects

DiGidot Hardware
C1 Live
C4 Live
C1 Extended
C4 Extended
PxLNet Range Extenders
PxLNet Node
Power Node
Coming soon
PxLNet Smart Receiver OEM
PxLNet Smart Converters

DiGidot Software
Web interface & App
Updates

DiGidot Cloud
Coming soon
DiGidot Connect (IoT Bridge)



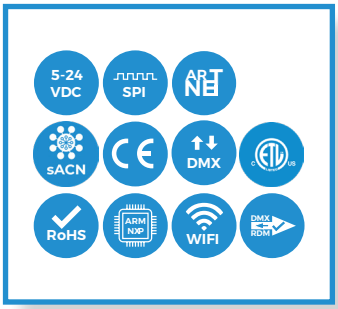
How To Touch A Dragonfly

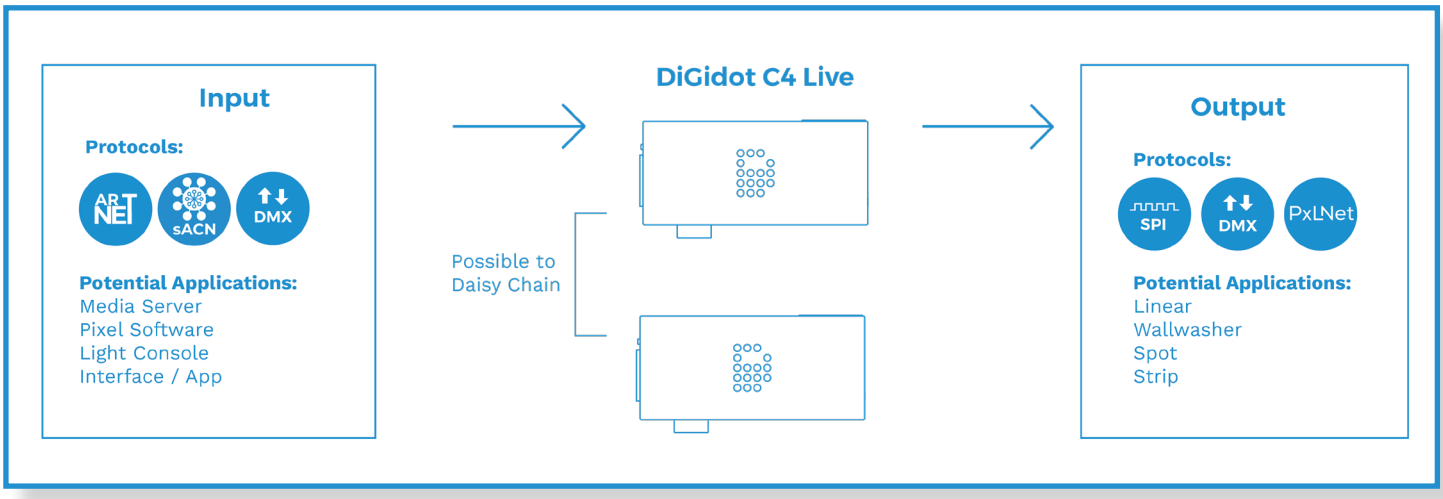
Seoul, South Korea

Compact and Powerful

All in one

DiGidot C4 Live provides a solution for nearly every situation. Our powerful C4 Live controller provides a user-friendly programming experience with full functionality on any device. Easily control individual pixels in complex lighting products.





C4 Live Infrastructure

Simple Infrastructure

Infrastructures will never look the same once you've worked with the DiGidot C4. The DiGidot C4 Live can be daisy chained. By adding a simple gigabit switch to the network, you can easily scale up the number of DiGidot C4 controllers in a network.

C4 Live

DiGidot Controllers

Features

- Up to 24 universes (12.288 channels)
- Supports more than 60 protocols
- Art-Net + DMX + sACN
- Voltage range (5-24 Vdc)
- Web interface & App
- Reliable & easy to use

- Brightness & power limiter
- Gamma correction
- Art-Net filter
- Built in WiFi (access point & client mode)
- Color order adjustment
- System monitor with Art-Net, sANC & DMX watcher
- Highlight ports
- Status lights
- Create segments and repeat channels to reduce input channels
- 16 bit dimming support
- Adjustable fallback color
- Backup & restore feature
- User accounts with rights restrictions
- Interface dark mode

Models

C4 Live 8
8 Universes | 4.096 channels

C4 Live 12
12 Universes | 6.144 channels

C4 Live 16
16 Universes | 8.192 channels

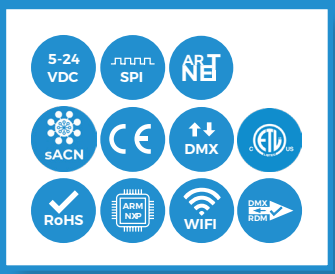
C4 Live 24
24 Universes | 12.288 channels

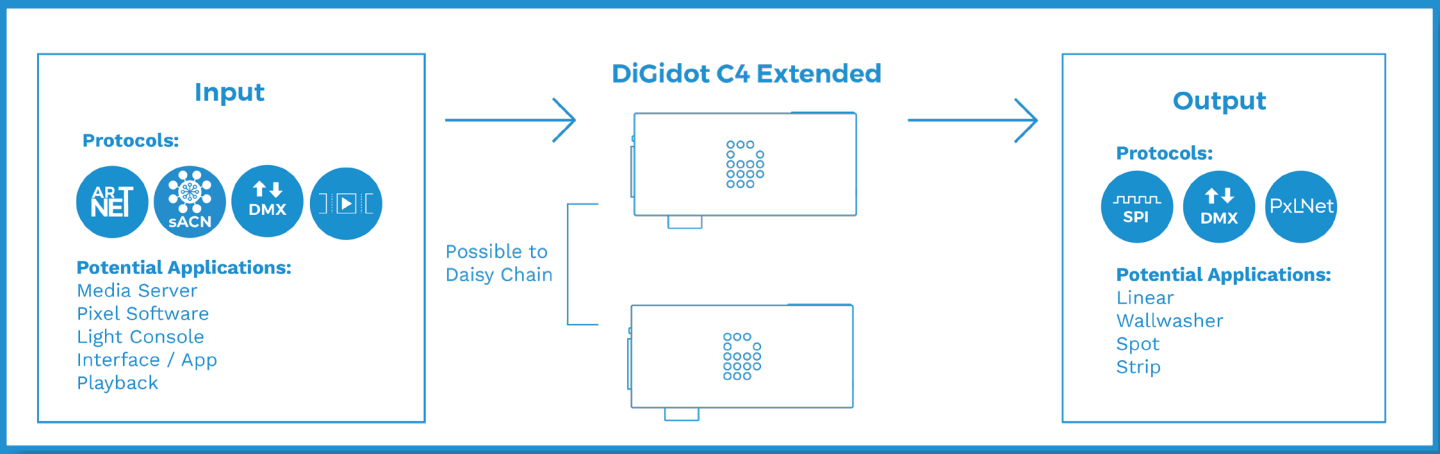
Become a pixel pro:
Check the performance guide to check compatibility for your setup.

Ultimate Stand-Alone

All in one and more

DiGidot C4 Extended is the ultimate stand alone pixel control solution. On top of the C4 Live features it adds many extra features such as an Art-Net, DMX and sACN playback recorder, countless powerful triggering and automation options.





C4 Extended Infrastructure

Many possibilities for system integration

With DiGidot C4 Extended you can trigger actions like playing a scene or playlist, adjusting the brightness, speed or changing the colors. Scenes and effects can be recorded from input signals like Art-Net, DMX and sACN.

C4 Extended

DiGidot Controllers

Features

- All the features of C4 Live plus more
- Up to 12 universes (6.144 channels)
- Art-Net, DMX, sACN recording & playback
- Analog & digital triggers
- NFC
- Playback adjustments
  - Brightness
  - Speed
  - Color
- Scene generator for static colors and color scroll effects
- Playlists
- Fallback scene
- Triggering
  - 3 Analog signals such as 0–10V and potentiometers or three dry contacts for switches and relays
  - Startup
  - Onboard button
  - Built in calendar
  - Sunrise/sunset
  - Art-Net, DMX and sACN triggering
  - UDP in & out
  - OSC in & out
  - HTTP-Get

Models

C4 Extended 2
2 Universes | 1.024 channels

C4 Extended 4
4 Universes | 2.048 channels

C4 Extended 8
8 Universes | 4.096 channels

C4 Extended 12
12 Universes | 6.144 channels

Smaller Size, Full Strength

Discreet Package

Meet our smallest powerhouse yet: packed with the full DiGidot engine, this compact marvel offers flexible live and extended licensing, so you can tailor it precisely to your project's needs. With a form factor small enough to fit in the palm of your hand and optional DIN-rail accessories, it's easy to install and conceal in any setup. Get ready for powerful performance in a discreet package!

Models

C1 Live 4
4 Universes | 2.048 channels

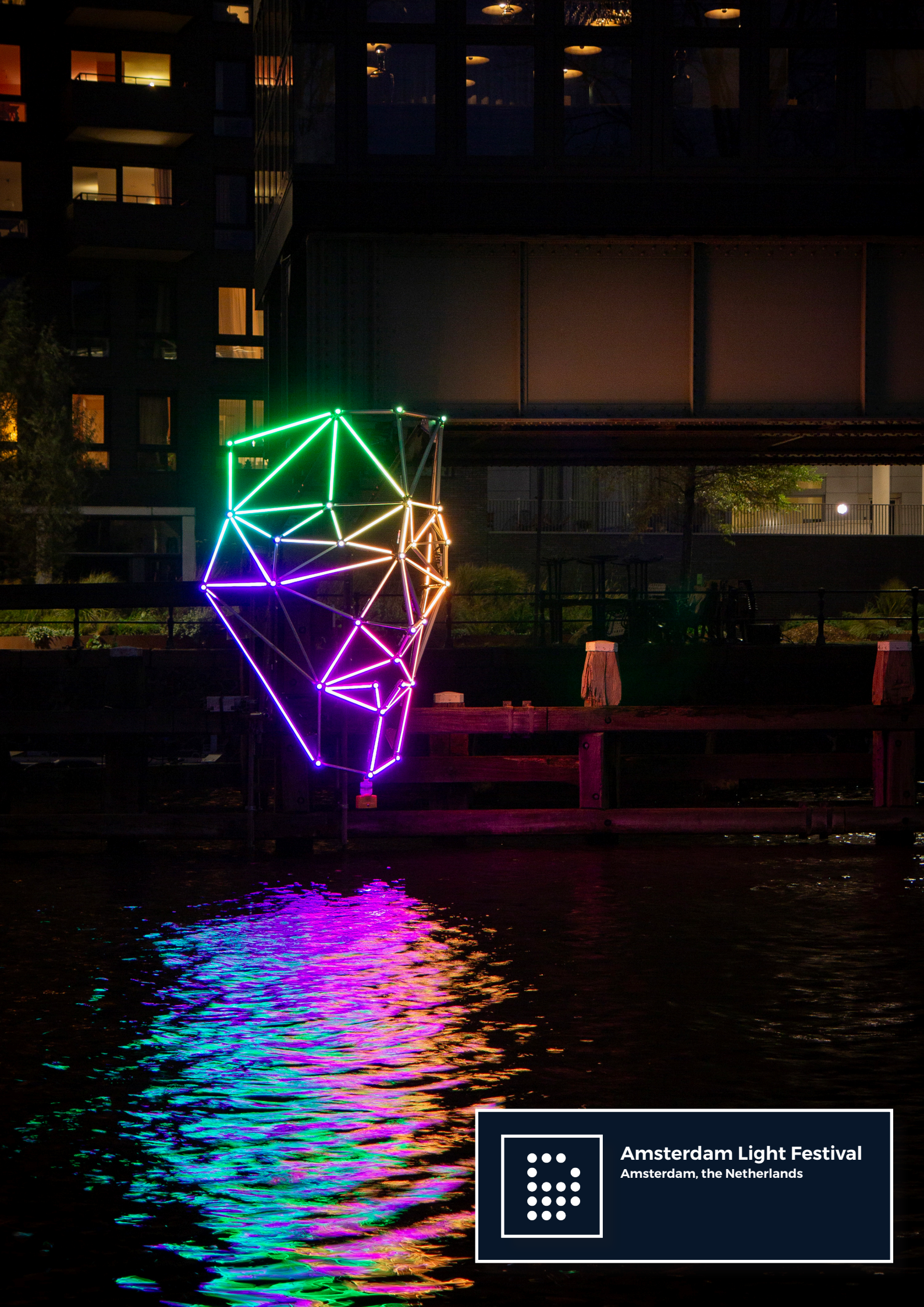
C1 Extended 1
1 Universe | 512 channels

Features

- Budget friendly
- sACN, Art-Net and DMX
- Over 60 output protocols
- PxLNet support
- Voltage range (5-48 Vdc)
- WiFi onboard
- Web interface & App
- Reliable & easy to use

C1

DiGidot Controllers

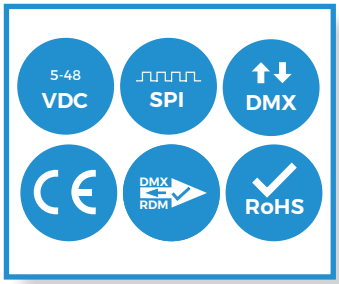


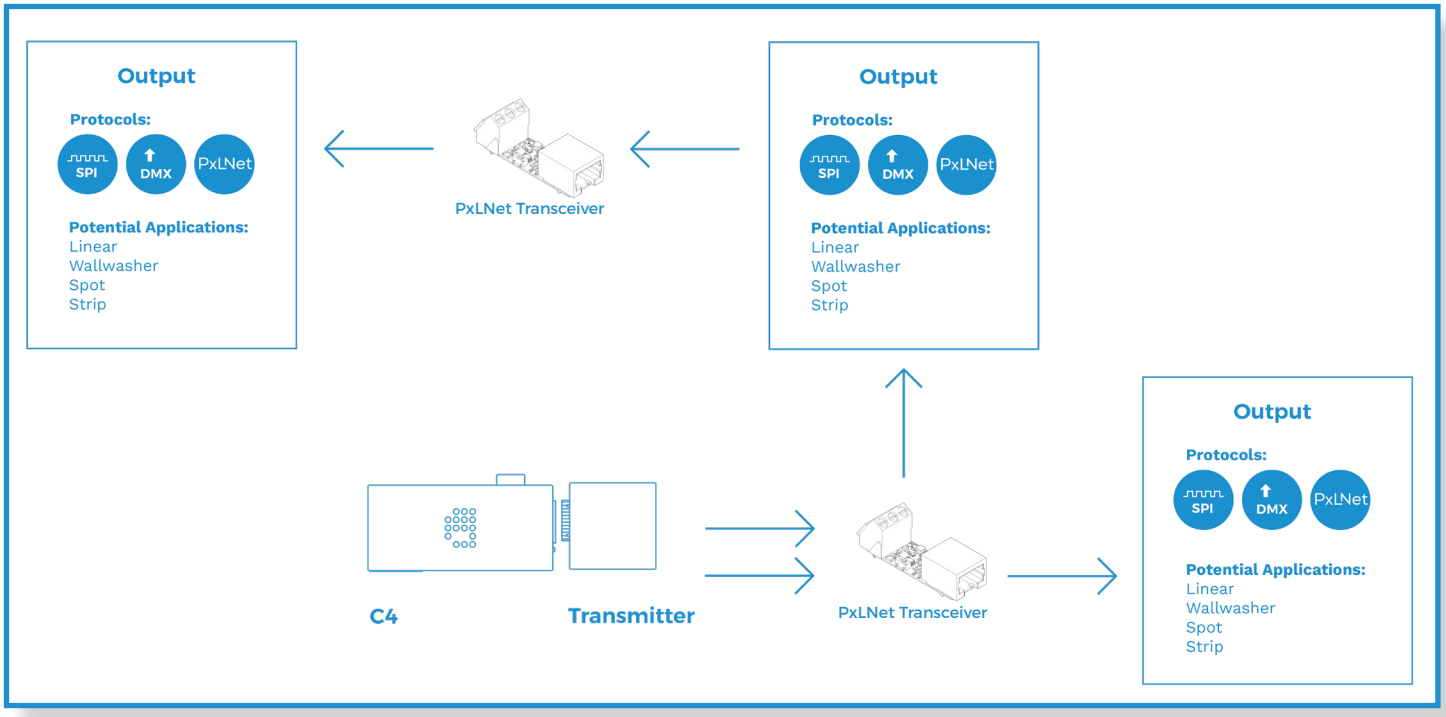
Amsterdam Light Festival
Amsterdam, the Netherlands

Long Range Solution

The DiGidot way of communicating

PxLNet communicates high speed protocols over large distances. This communication protocol is built for the future because it also supports remote device management for upcoming products.





PxLNet **infrastructure**

Simplifying infrastructures

With PxLNet it is possible to extend the SPI signal up to 300 meters (1.640 ft). PxLNet products redefine your project experience by simplifying infrastructures and streamlining installation processes, ensuring an easy setup.

Range Extenders

DiGidot PxLNet

PxLNet Transmitter

PxLNet Transmitter

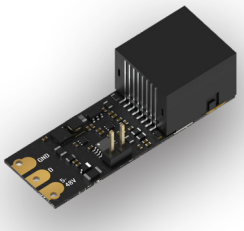
The perfect match for the DiGidot C4. This add-on module converts (data only) protocols to PxLNet which can be transmitted up to 300 meters away. A Transceiver can be used to convert the signal back to the original protocol for your LED product.

- Connects directly to DiGidot C4 IO port
- Converts SPI and DMX TTL to PxLNet and DMX
- Flexible operating voltage from 5 to 48 Vdc
- 4 protected RJ45 bus ports for PxLNet

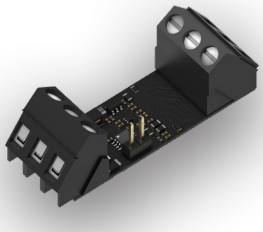
PxLNet Transceiver

A compact module that converts PxLNet to the original (data only) SPI protocol for your LED product up to 300 meters away.

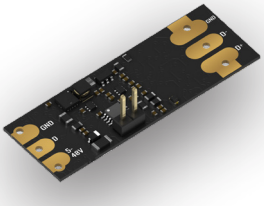
- Flexible operating voltage from 5 to 48 Vdc
- Bus for PxLNet in or out
- Status LED indicators for power & incoming data
- Auxiliary network cable breakout solder pads
- Selectable operating mode (Receiver/Transmitter) by a small switch
- Overvoltage protection
- Reverse polarity protection
- Data, Vcc and GND input and output connections on both surfaces



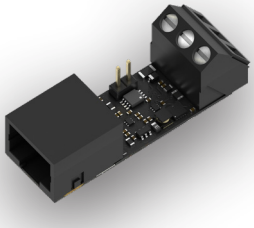
RJ-45



Screw Terminals



Solder Pads



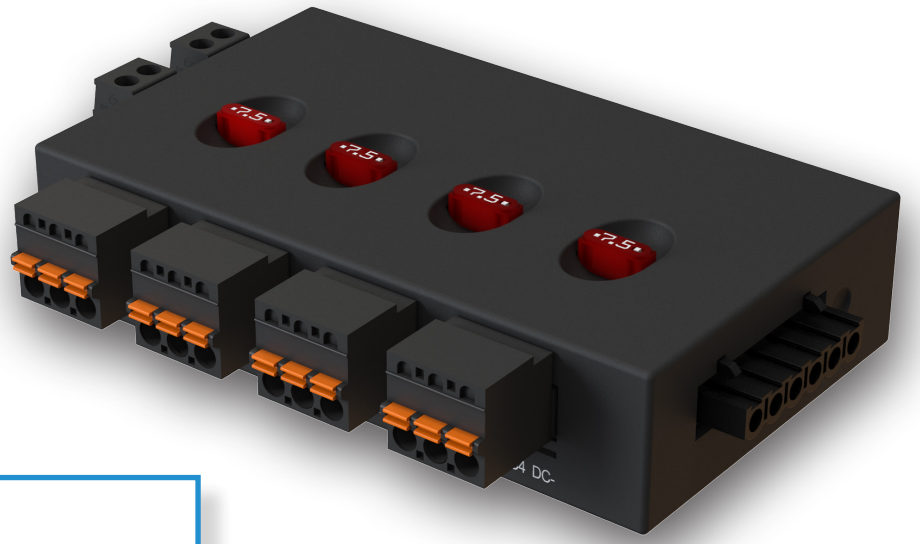
RJ-45 to Screw Terminal

IP67 Connection Tube for transceivers

YY Colonade
London, the UK

Easy Connect

Accessories

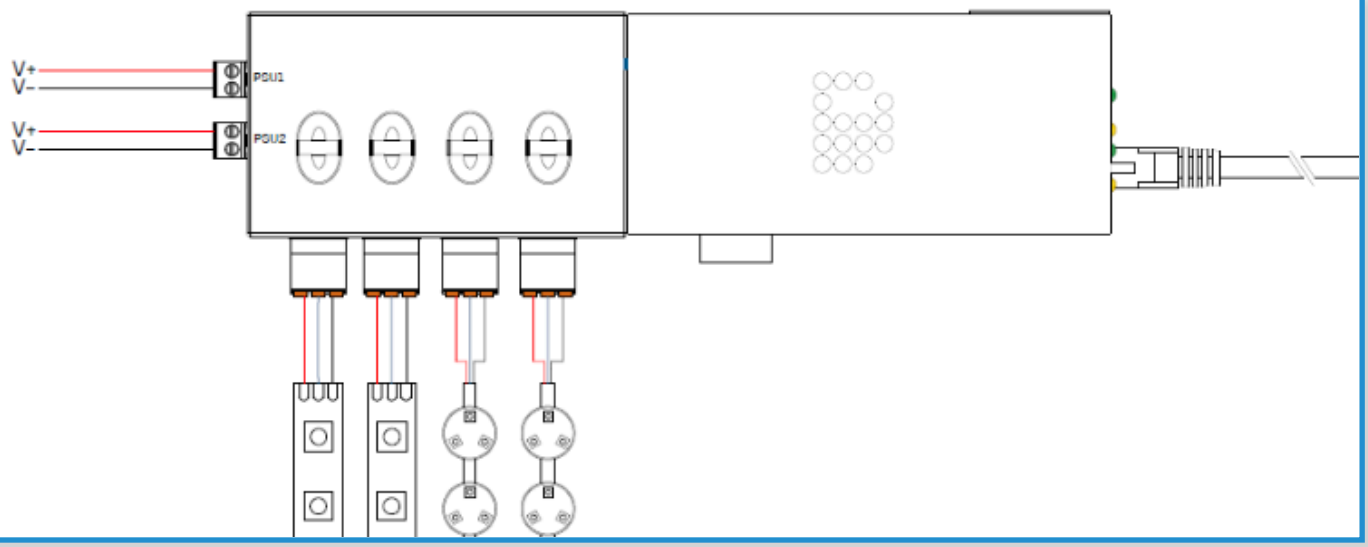


Features

- Replaces complex installation boxes
- Two power inputs (automatically switched)
- Can deliver up to 30 Ampere
- Four Combined Power & Data outputs
- Four swapable output fuses (max. 15 A)
- Four power status LEDs
- Freely configurable output protocol
- Up to two different Voltage outputs

It's in the name

The DiGidot Easy connect is the most efficient connector for dynamic lighting controller on the market! The perfect match for the DiGidot C4. It simplifies wiring even further and makes installation and assembly up to 5 times faster and better secure!

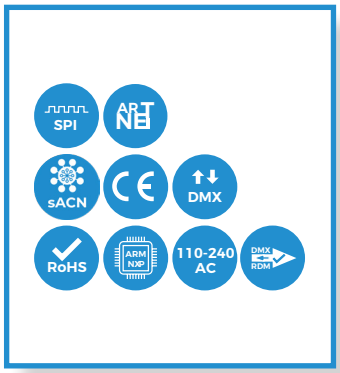


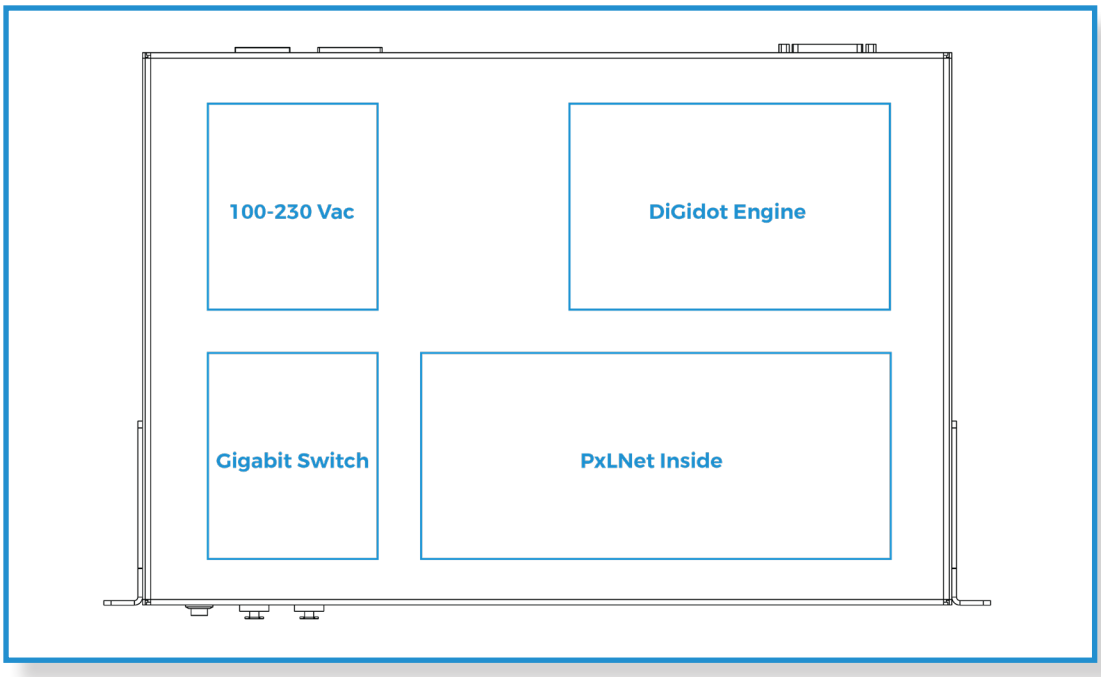
Easy Connect infrastructure

Unlimited Pixel Control

Large-scale pixel installations

The PxLNet node is a 19-inch enclosure replacing four DiGidot C4 Live units, PxLNet Transmitters, and a gigabit Ethernet switch, all perfectly aligned for large-scale pixel projects. Connect multiple nodes to create some of the largest systems ever built.



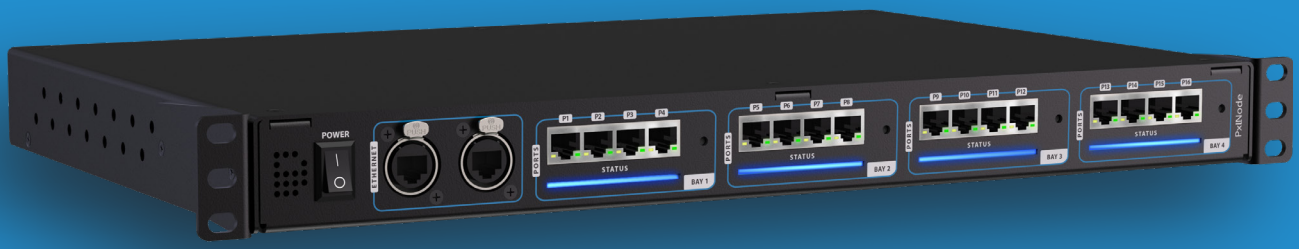


Powerful pixel control

The DiGidot PxLNet Node is the most powerful rackmount pixel control system of its kind. It's easy-to-install and designed for long distance data transmission, ideal for entertainment, architectural, and landmark lighting projects.

Node

DiGidot PxLNet



Features

- Up to 96 universes (49.152 channels)
- 16 RJ45 ports
- Outputs PxLNet or DMX
- Supports up to 300 meters away
- Built in Gigabit switch
- 19” Rackmountable for server racks

- Program individual pixels
- Choose 8 bit or 16 bit dimming
- Daisy chain controllers for larger projects
- Supports more than 60 protocols
- Long-distance controls (up to 500 meters)
- Indoor use only

Models

DiGidot PxLNet Node U48
Universes 48
Channels 24.576

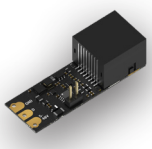
DiGidot PxLNet Node U96
Universes 96
Channels 49.152

Become a pixel pro:
Check the performance guide to check compatibility for your setup.

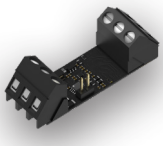
Combine with:

PxLNet Transceivers

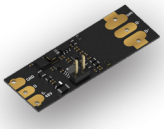
A compact module that converts PxLNet to the original (data only) SPI protocol for your LED product up to 300 meters away.



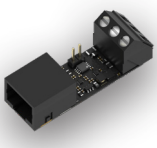
RJ-45



Screw Terminals



Solder Pads



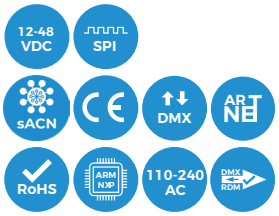
RJ-45 to Screw Terminal

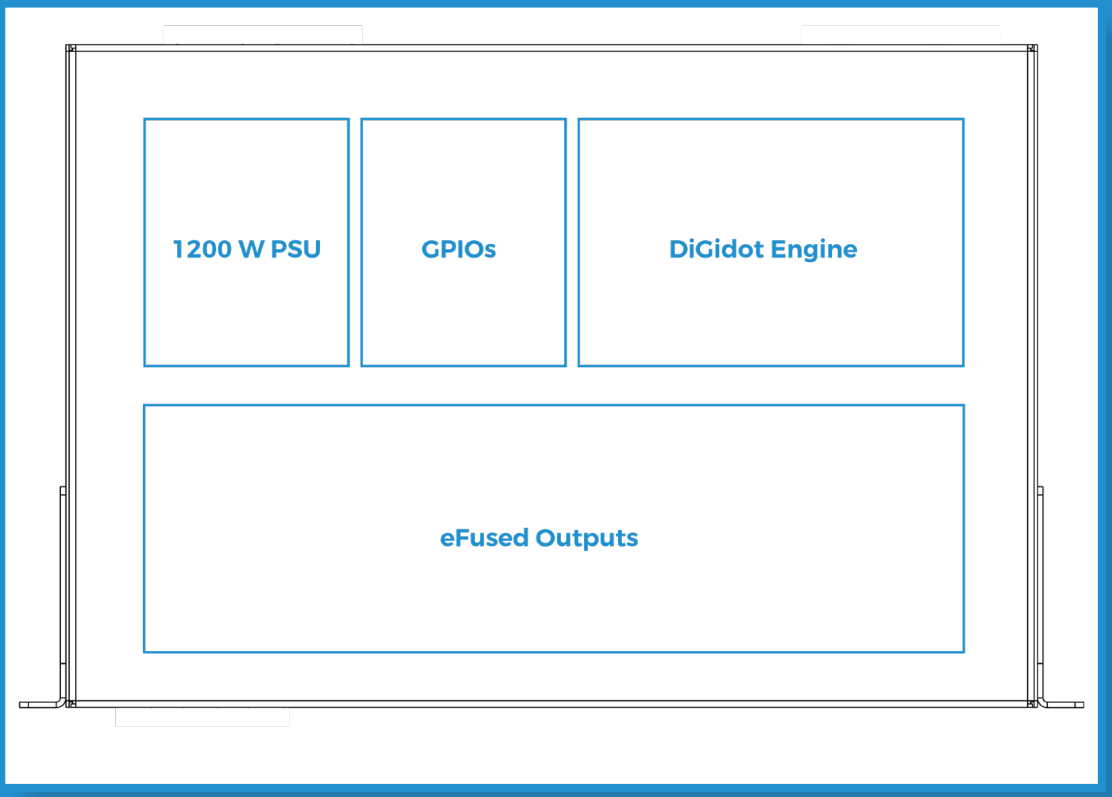
IP67 Connection Tube for transceivers

One unit, Total control

Pushing boundries

Our 19” rack mountable unit empowers your setup like never before. With the capability to deliver up to 1200W of power and accommodate 24 universes of DiGidot Controller Extended data features, it’s a game-changer in the industry.





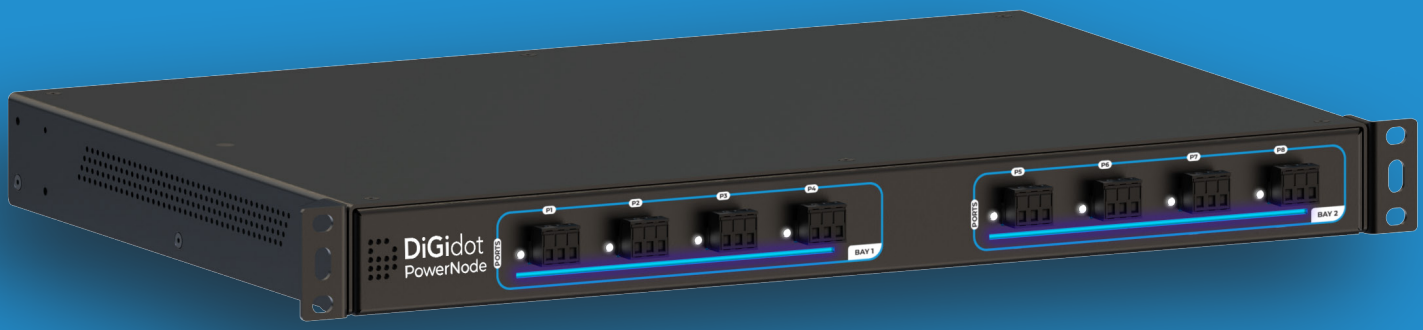
Unlock the Power

Elevate your projects with the DiGidot Power Node, designed to simplify your setup with unmatched power and versatility - no need for additional PSUs, fuses, or connectors.

Node

DiGidot Power Node

Power Node U12X



Power Node U24X

Models

DiGidot Power Node U12X
Ports: 4
Universes: 12
Channels: 6.144
Power: 600W

DiGidot Power Node U24X
Ports: 8
Universes: 24
Channels: 12.288
Power: 1.200W

Features

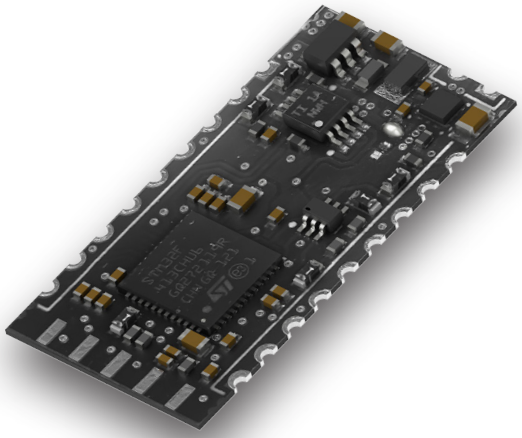
- All the features of C4 Extended plus more
- Up to 24 Universes
- Quick and easy to install
- Options for 12, 24 and 48 VDC output
- Direct AC input 110V - 240V
- Realtime output monitoring
- Triggers to switch outputs on and off on command

PxLNet Smart Receiver

DiGidot PxLNet

Add intelligence to your fixture

Turn ordinary LED fixtures into smart lights with the PxLNet Smart Receiver. Seamlessly integrate into the receiver in any LED fixture, unlocking a world of possibilities for enhanced control, customization, and real-time adaptability.



Features

Easy to integrate
Easy to integrate into any LED fixture. The module is small and lightweight, and can be easily connected to the fixture's PCB.

One protocol for all fixtures
The PxLNet Smart Receiver makes it possible to control all LED fixtures in your installation with one protocol. This simplifies the installation and maintenance of your lighting system.

Upgradable
You can update the module's firmware with new features and improvements.

RDM communication
Supports RDM communication, enabling the fixture and the controller to communicate with each other. This opens up a world of new possibilities, such as monitoring the status of the fixture and adjusting the fixture's settings remotely.

Sensor integration
The PxLNet Smart Receiver has two inputs for sensors. These sensors can be used to monitor the status of the fixture or the environment.

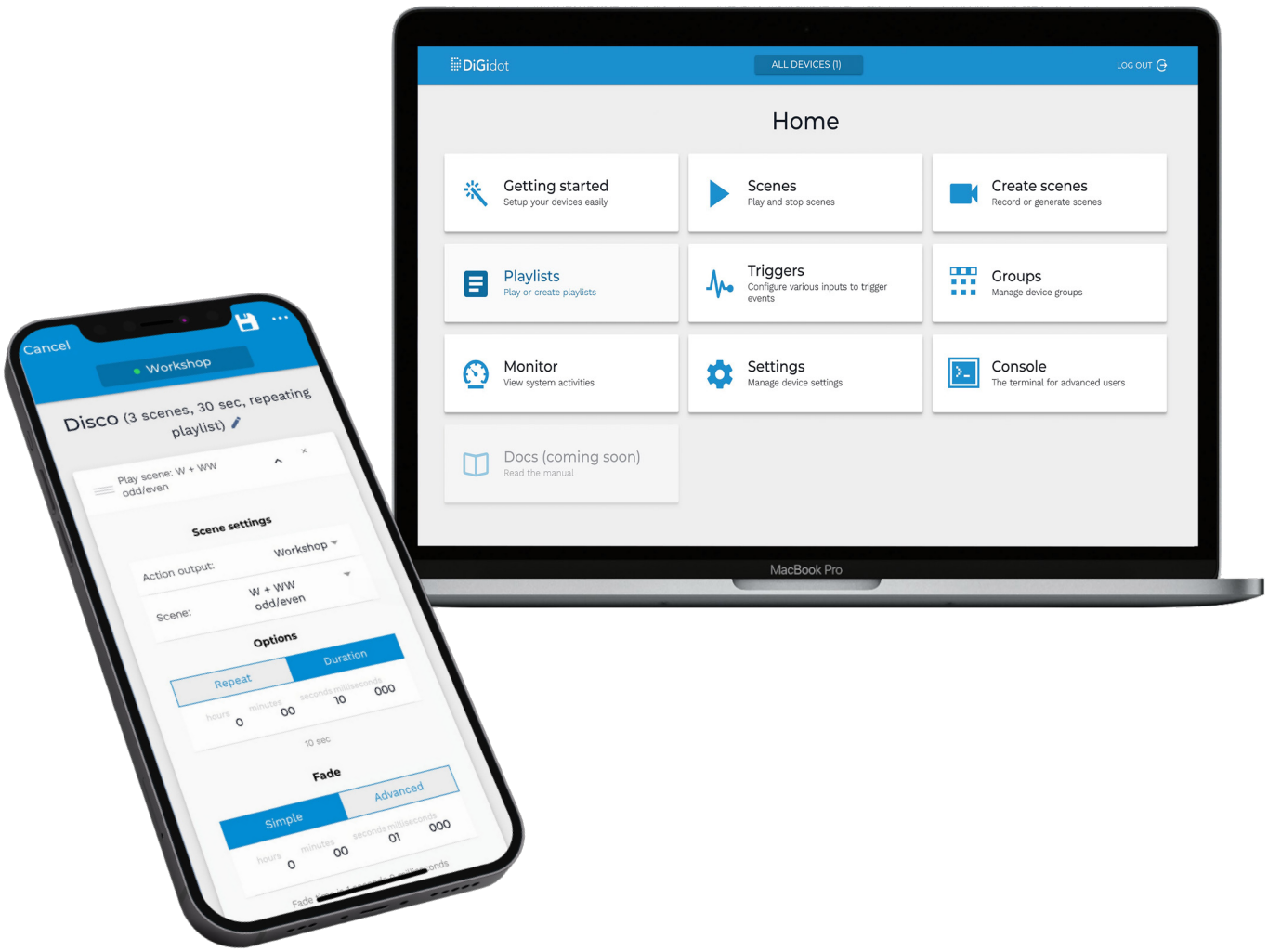
Pixel adjustments
Offers a number of possibilities for adjusting the pixels of the fixture. For example, you can create groups of pixels or adjust the grayscale of the fixture.

ONYX Towers
Manama, Bahrain

DiGidot App and Web Environment

Interface

The DiGidot App allows you to easily control and customize your LED installations from your mobile device, giving you complete flexibility and convenience in managing your lighting projects. With its intuitive interface and powerful features, the DiGidot App is the perfect tool for creating stunning visual experiences with your LED installations.



DiGidot C4 Upgrades

DiGidot Upgrades is super easy and accessible and allows your creativity to shine across multiple universes.

C4 Live

Live 12 | 6.144 channels

Live 16 | 8.192 channels

Live 24 | 12.288 channels

C4 Extended

Extended 4 | 2.024 channels

Extended 8 | 4.096 channels

Extended 12 | 6.144 channels

Open standard philosophy

The DiGidot controllers can be controlled from any industry standard DMX, Art-Net or sACN control software, console or media server. Integrated in all major lighting and building management systems.

DiGidot Controller Software V3.0

Software Update with powerful new tools

We're thrilled to share powerful new features, designed to elevate every aspect of your lighting project. With tools that make creating stunning light experiences easier than ever. Each feature has been crafted for maximum impact. Discover a preview of these upcoming features and take your setups to the next level with ease.

Fader Tool
Your Virtual Lighting Console

Gain complete control over your lighting experience. Adjust each channel individually or create groups, and save customized presets for easy playback.

Performance Assistant
Real-Time Optimization at Your Fingertips

Our integrated performance guide helps you monitor your setup's capabilities, ensuring you achieve optimal FPS for every installation.

Built-In DMX Programmer
No external devices.

Our DiGidot controller includes robust programming features, simplifying setup and reducing installation time and complexity.

Smarter, Faster, and More Creative!

Our latest software update is here: DiGidot Controller Software Version 3.0. This major release brings a completely refreshed user experience, enhanced performance, and brand-new features. We've listened to your feedback and translated it into a more intuitive design, a more efficient workflow, and powerful tools to unlock even greater creative possibilities.

Scan the QR code for more!

Galapagos
Oegstgeest, the Netherlands

DiGidot Smart Converter

DiGidot PxLNet

Coming soon

Effortlessly convert

With the PxLNet Smart Converter, you can simplify your setup by using a single protocol from your controller while enjoying diverse output protocols. Effortlessly convert between DMX and SPI, split SPI signals, bridge PxLNet or active RDM splitter for seamless integration. This tool maximizes your system's flexibility, making it easier to adapt to any lighting control needs.

Features

- Versatile PxLNet signal converter
- DIN-Rail mountable
- Galvanic Isolated output protection
- 300m Long-range PxLNet input
- Convert PxLNet or DMX to SPI, DMX

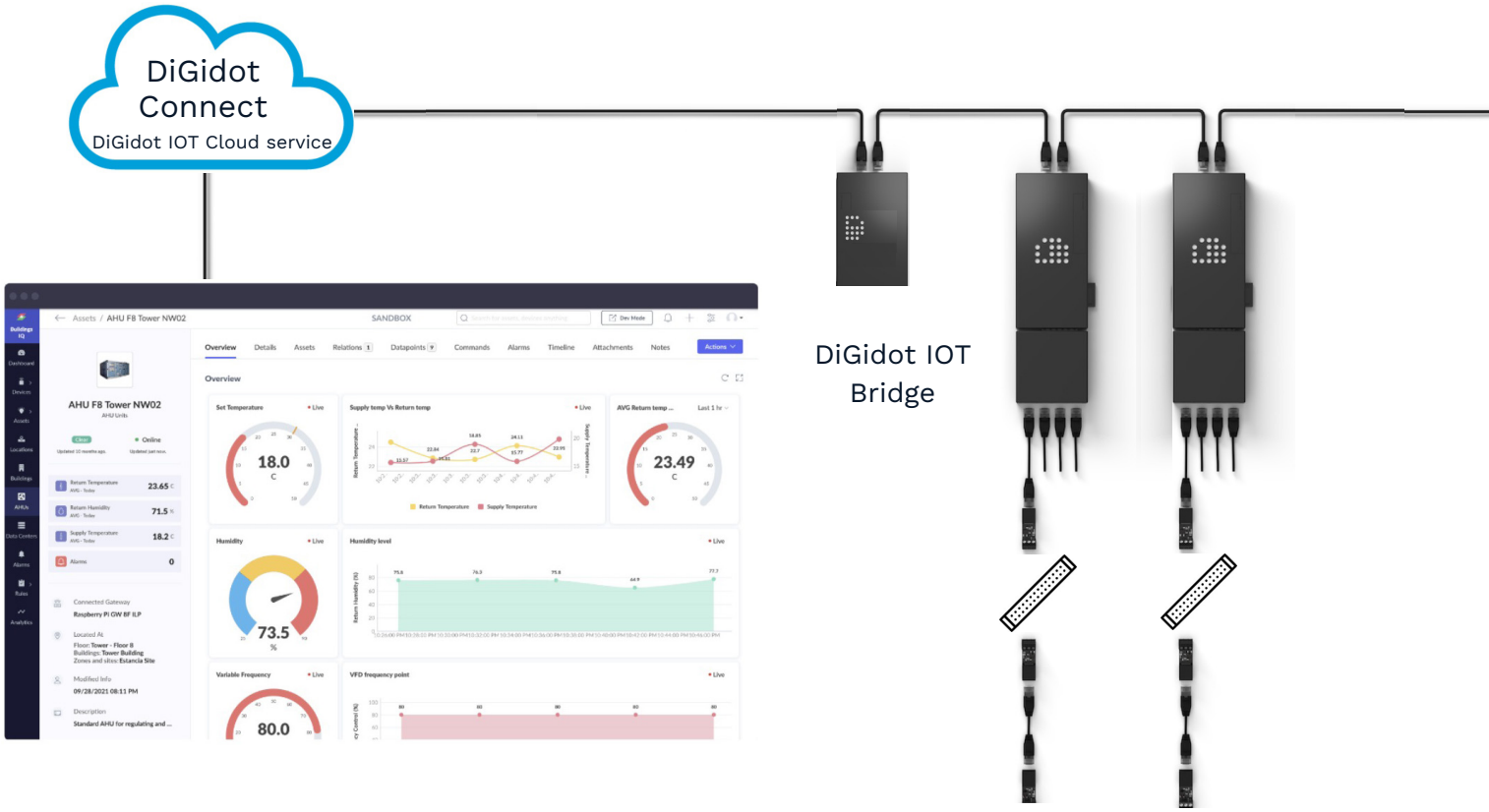
DiGidot Connect
IOT Bridge / Cloud

Coming soon

DiGidot Connect will offer a cloud connectivity which enable remote monitoring and many more advantages.

Features

- Get notified in case of any error
- Monitor power consumption of devices
- Get insight in hours components have been used
- High security due to the separated networks



Louis Vuitton
Singapore, Airport

Tech-support for projects

Share your projects with us and we will help you to define the products to use to create the most efficient setups. We can pre-assemble cabinets and customize products so it can work with your designs best.

Share with us and we will follow up with you support@digidot.eu

Follow us to stay up to date!

LinkedIn

Instagram

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