



Product Catalog

DiGidot Technologies

2025



Pushing Control Boundaries

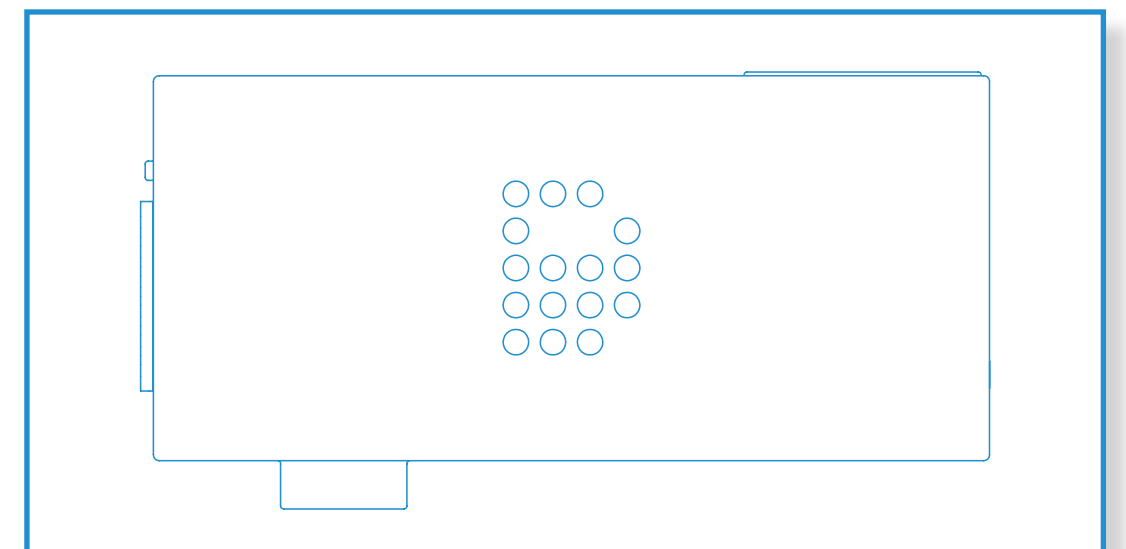
DiGidot Technologies is a **passionate** tech company that develops products for a wide range of lighting control applications. We empower our clients to **unleash their creativity** in the realm of dynamic lighting!

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**.



ABC Bank
Manama, Bahrain



What is DiGidot?

Efficient Wiring

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

Innovative

Pixelating surfaces, beyond just color and brightness control.

Reliable

Hardware for 24/7 use, updateable for enhanced maintenance

Versatile

Easy scalability, from small-scale events to large-scale installations.

Industry standards

Compatible with a range of industry standards, including Large range of industry standards such as DMX, Art-Net and sACN. Easy to integrate.

Easy to use

Intuitive interface, plug-and-play setup and remote management. Easy to set up, control, and manage.

Dedicated team

Extensive technical support from our team in the Netherlands.

Always up-to-date

Free online or offline firmware updates.

Full solution for pixel controlled projects

DiGidot Hardware

C1
C4 Live
C4 Extended
PxLNet Range Extenders
PxLNet Node
Power Node
PxLNet Smart Receiver OEM
PxLNet Smart Converters

DiGidot Software

Web interface & App
Updates

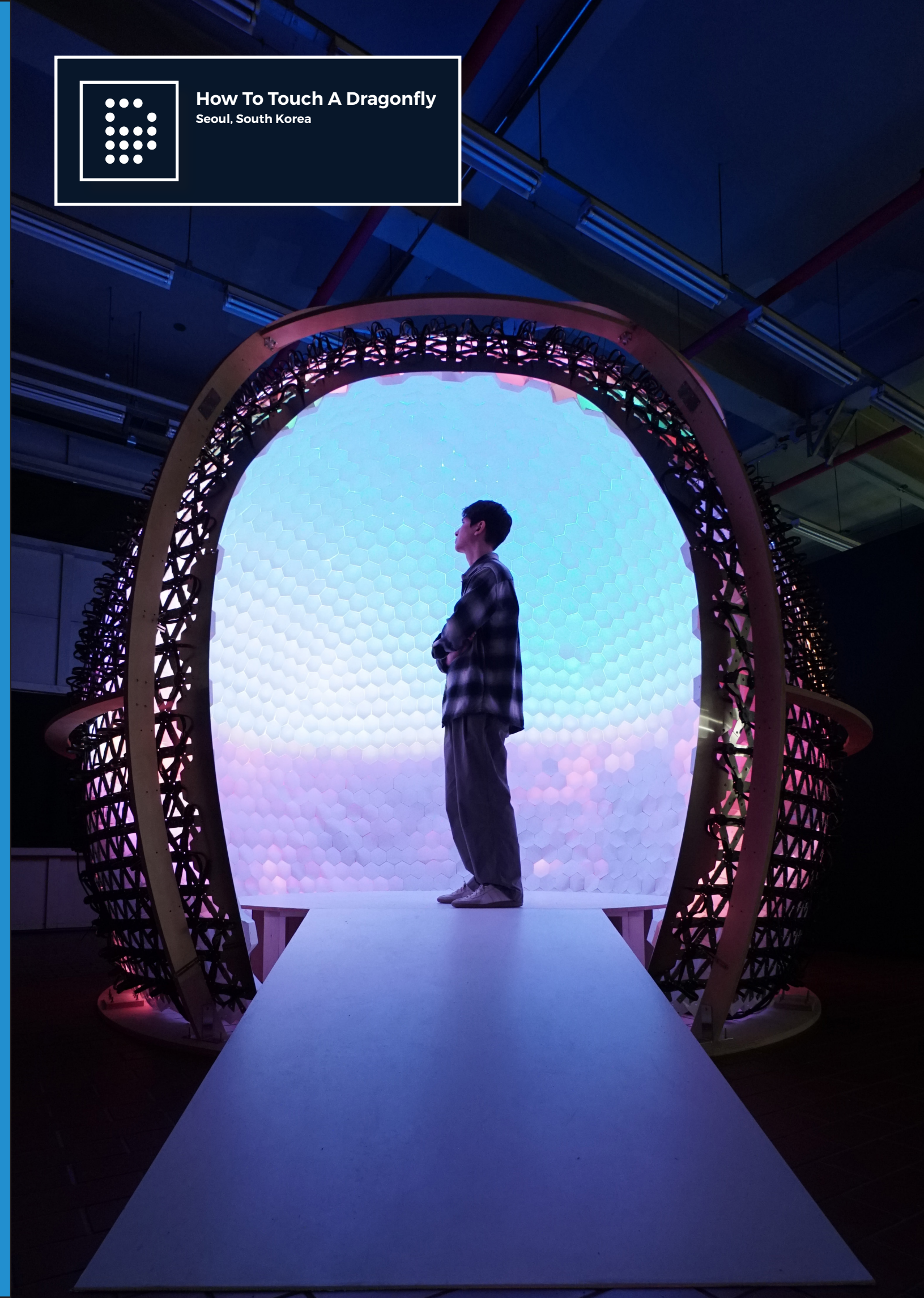
Upgrades

DiGidot Cloud

DiGidot Connect (IoT Bridge)



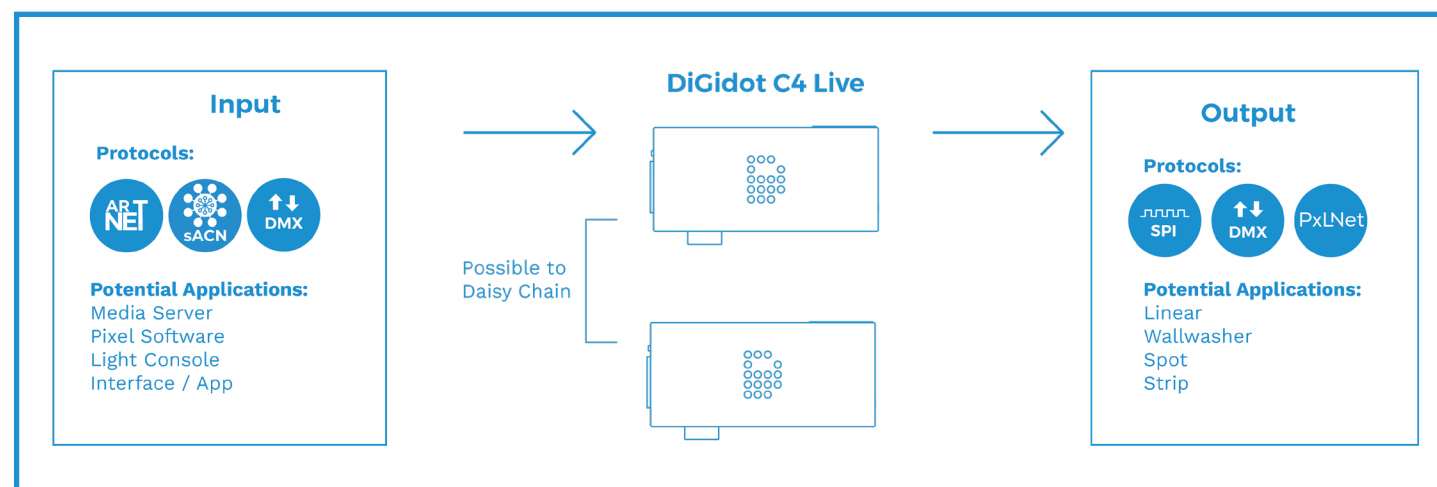
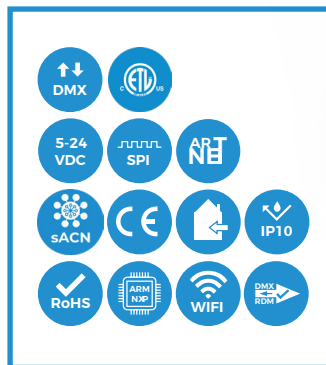
How To Touch A Dragonfly
Seoul, South Korea



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 network you easily scale up the number of DiGidot C4 controllers in a network.



C4 Live
DiGidot Controllers



Features

- Up to 24 universes (12288 channels)
- Supports more than 60 protocols
- Art-Net + DMX + sACN
- Compact size
- Wide 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, sACN & 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

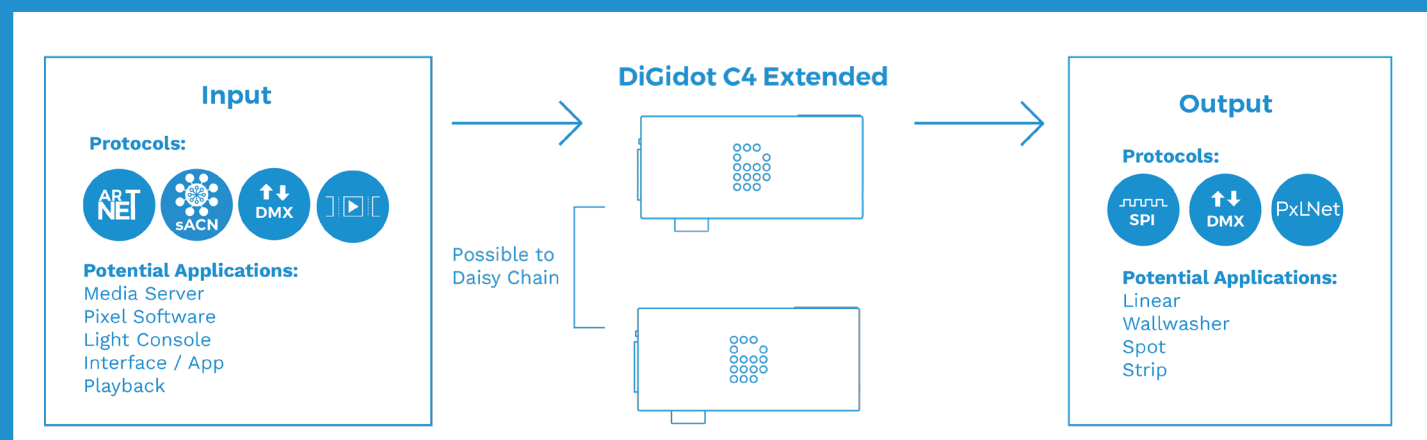
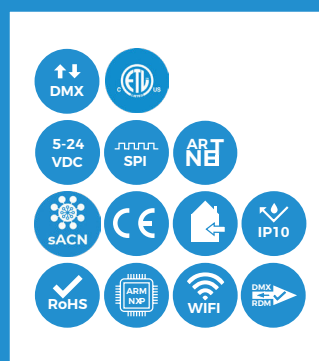
- C4 Live 4
4 Universes | 2048 channels
- C4 Live 8
8 Universes | 4096 channels
- C4 Live 12
12 Universes | 6144 channels
- C4 Live 16
16 Universes | 8192 channels
- C4 Live 24
24 Universes | 12288 channels

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

Ultimate Stand-Alone

All in one and more

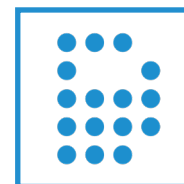
DiGidot C4 Extended is the ultimate stand alone pixel control solution. On top of the C4 Live features it adds many extra features such as an Art-Net, DMX and sACN playback recorder, countless powerful triggering and automation options.



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 (6144 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 & potentiometer or 3 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 1
1 Universe | 512 channels

C4 Extended 2
2 Universes | 1024 channels

C4 Extended 4
4 Universes | 2048 channels

C4 Extended 8
8 Universes | 4096 channels

C4 Extended 12
12 Universes | 6144 channels

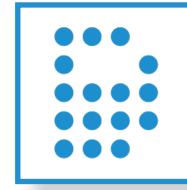
Smaller Size, Full Strength

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!

Features

- U4 and U1X Licenses (2048 channels / 512 channels)
- Budget friendly
- sACN, Art-Net and DMX
- Over 60 output protocols
- PxLNet support
- 5 - 48 Vdc
- WiFi onboard



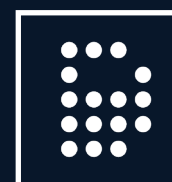
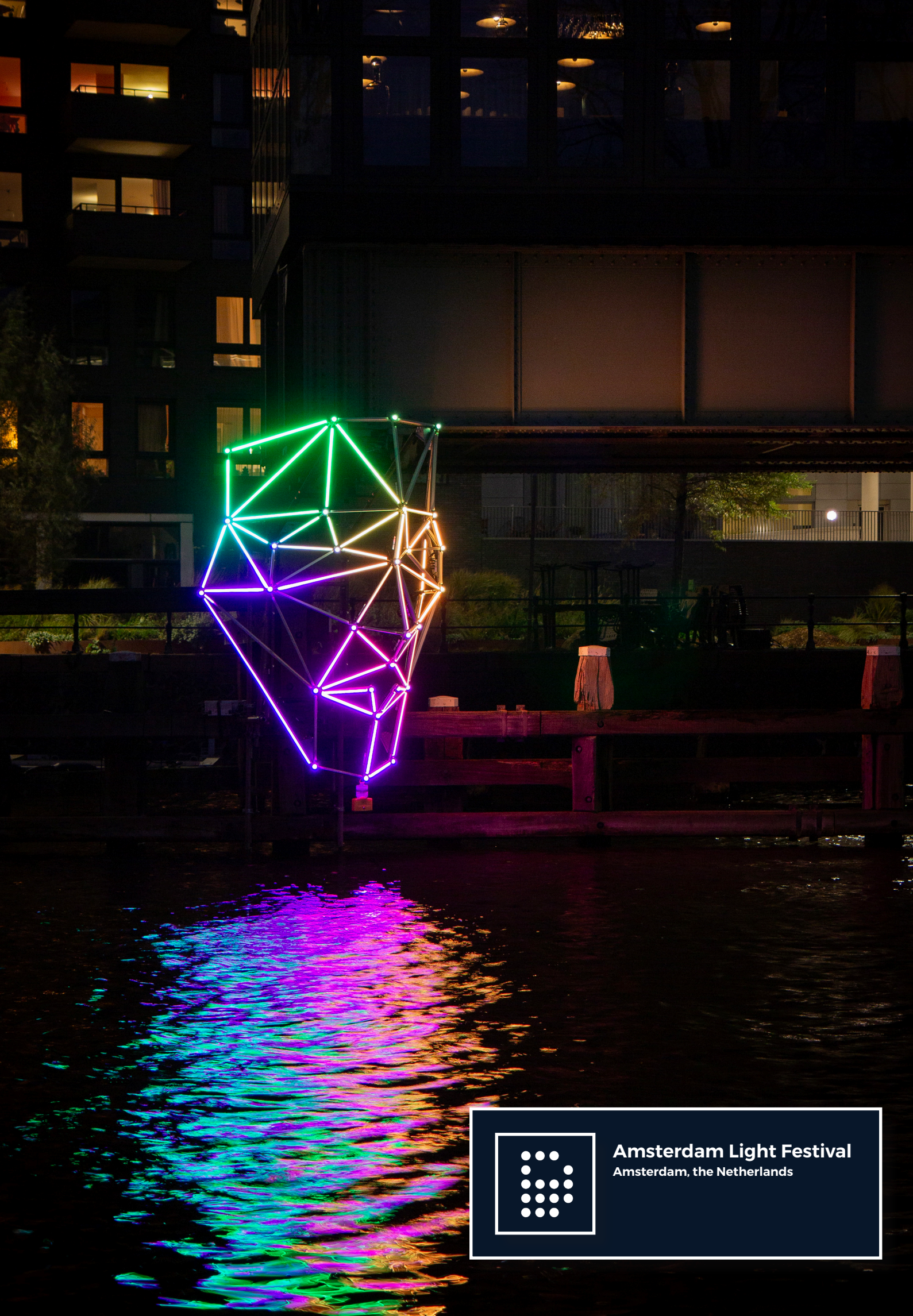
C1

DiGidot Controllers



C4

C1

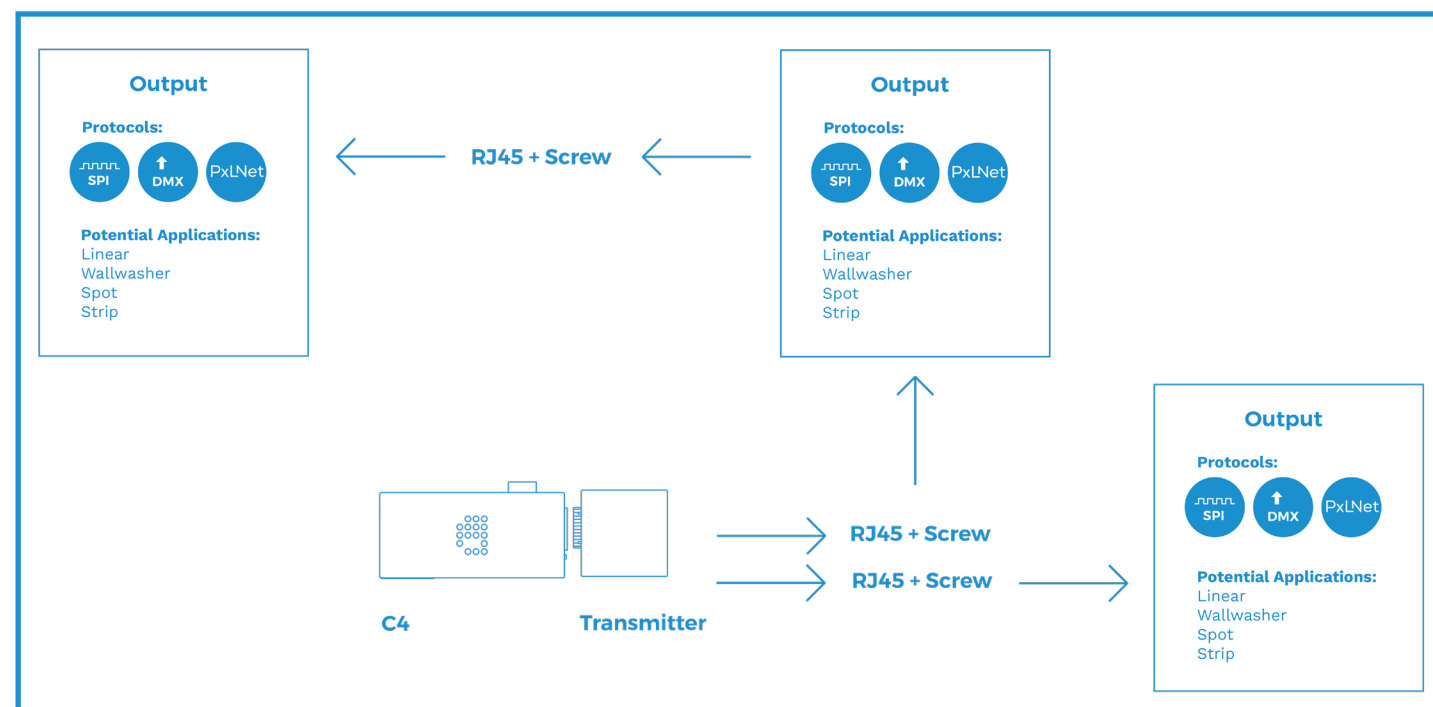
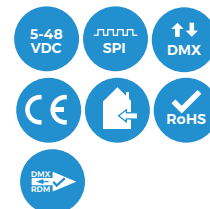


Amsterdam Light Festival
Amsterdam, the Netherlands

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.



Simplifying infrastructures

With PxLNet it is possible to extend the SPI signal up to 500 meters (1640 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

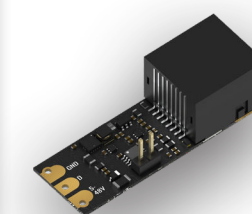
The perfect match for the DiGidot C4. This add-on module converts (data only) protocols to PxLNet which can be transmitted up to 500 meters away. A Transceiver can be used to convert the signal back to the original protocol for your LED product.

- Connects directly to DiGidot C4 IO port
- Converts SPI and DMX TTL to PxLNet and DMX respectively
- Flexible operating voltage from 5 to 48 Vdc
- 4 protected RJ45 bus ports for PxLNet
- Can be used with any third-party SPI controller

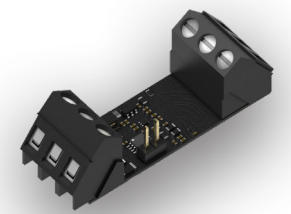
PxLNet Transceiver

A compact module that converts PxLNet to the original (data only) SPI protocol for your LED product up to 500 meters away.

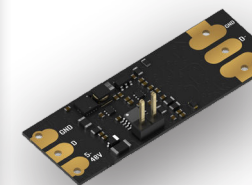
- Flexible operating voltage from 5 to 48 Vdc
- Bus for PxLNet in or out
- Status LED indicators for power and incoming data
- Auxiliary network cable breakout solder pads
- Selectable operating mode (Receiver/Transmitter) by a small switch
- Overvoltage protection
- Reverse polarity protection
- Data,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



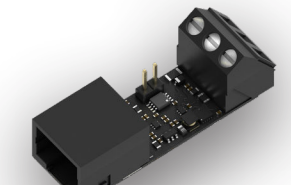
RJ-45



Screw Terminals



Solder Pads



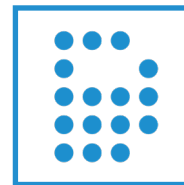
RJ-45 to Screw Terminal



IP67 Connection Tube for transceivers



YY Colonade
London, the UK



Easy Connect

Accessories

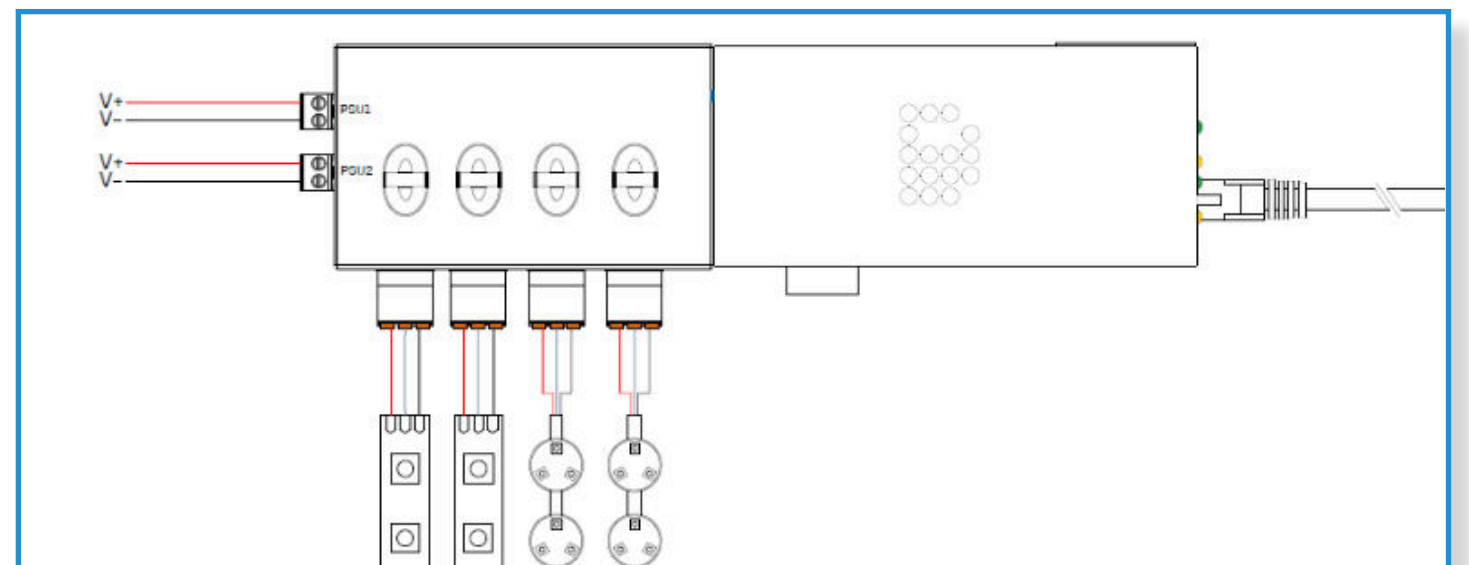


Features

- Replaces complex installation boxes
- Two power inputs (automatically switched)
- Can deliver up to 30 Ampere
- Four Combined Power & Data outputs
- Four swappable 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 replaces complex installation boxes and makes installation and assembly up to 5 times faster and better secure!

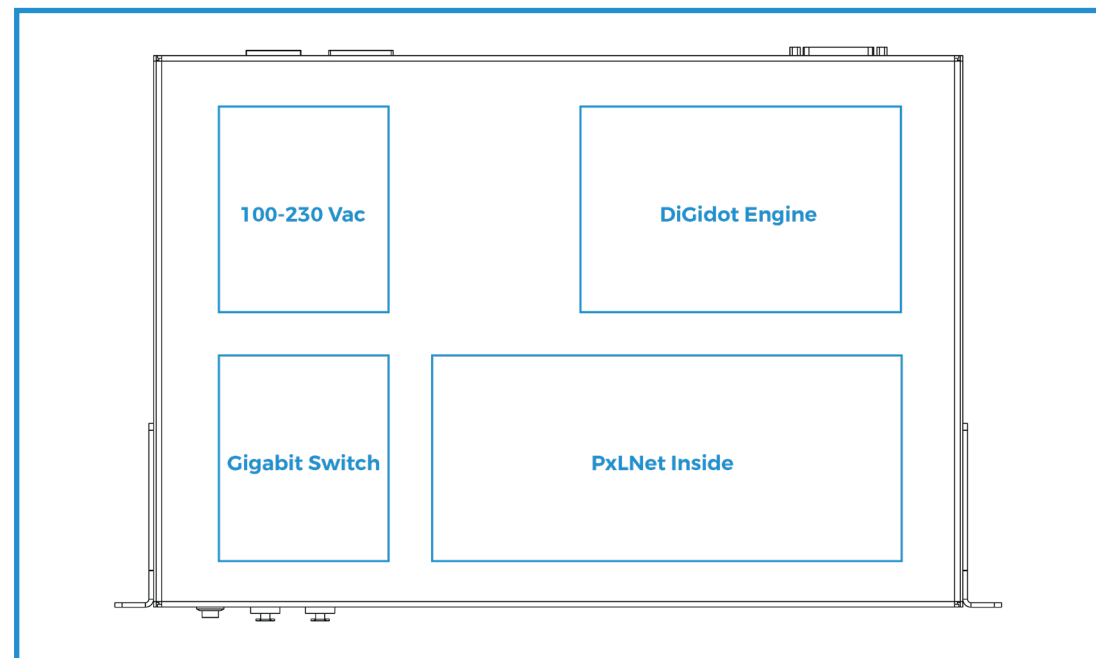


Easy Connect infrastructure

Unlimited Pixel Control

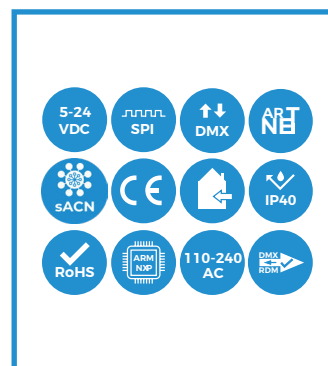
Large-scale pixel installations

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 (49152 channels)
- 16 RJ45 ports
- Outputs PxLNet or DMX
- Supports up to 500 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 24576

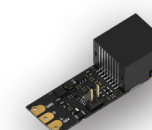
DiGidot PxLNet Node U96
Universes 96
Channels 49152

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

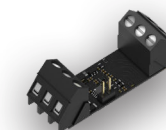
Combine with:

PxLNet Transceivers

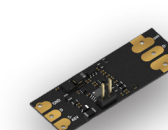
A compact module that converts PxLNet to the original (data only) SPI protocol for your LED product up to 500 meters away.



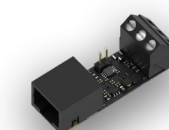
RJ-45



Screw Terminals



Solder Pads



RJ-45 to
Screw Terminal

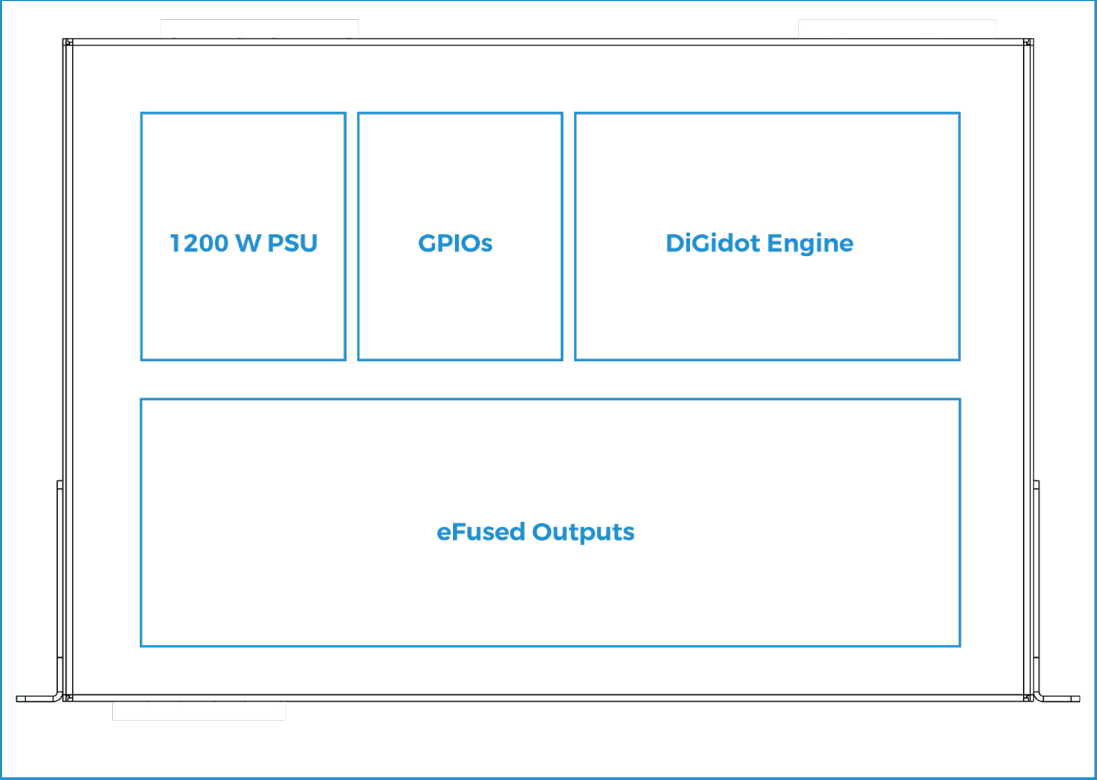
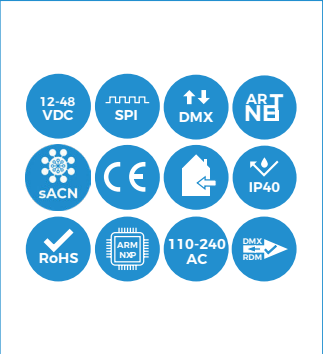


IP67 Connection Tube
for transceivers

Easiest and Strongest

Unlock the Power

Our cutting-edge 19" mountable rack to empower 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

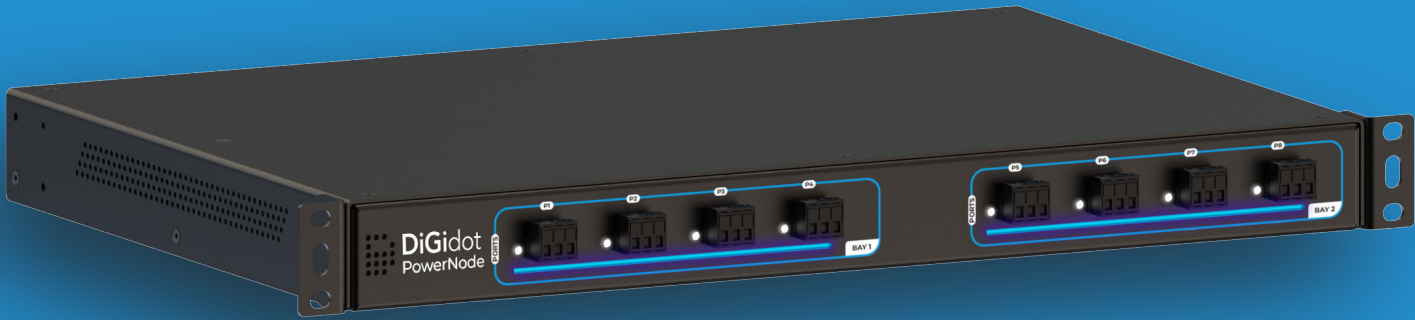
Elevate your projects with the DiGidot PowerNode, designed to simplify your setup with unmatched power and versatility - no need for additional PSUs, fuses, or connectors.



Node
DiGidot PowerNode



Power Node 4 Outputs



Power Node 8 Outputs

Features

- All the features of C4 Live plus more
- Up to 24 Universes
- Quick and easy to install
- Options for 12, 24 and 48 VDC
- Direct AC input up to 1200W
- Realtime output monitoring
- Individual switchable outputs and standby versions
- Available in two versions, 4 and 8 ports (600W and 1200W)
- Triggers to turn on and of outputs on command

Models

DiGidot PowerNode 12
Universes: 12
Channels: 6144

DiGidot PowerNode 24
Universes: 24
Channels: 12288

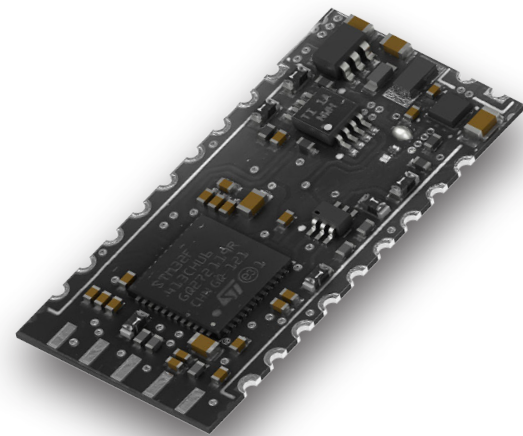


PxLNet Smart Receiver

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, customisation, 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

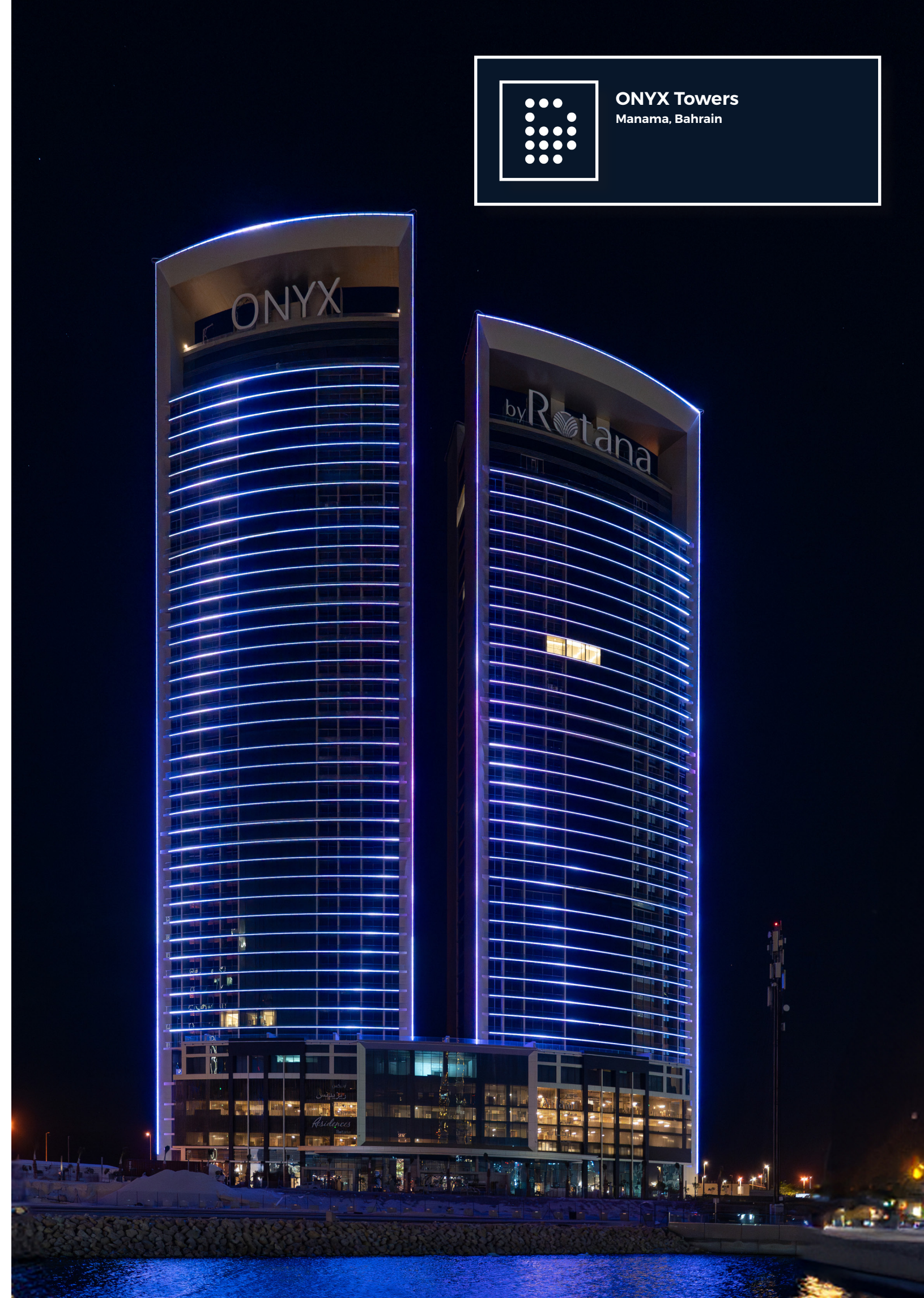
The PxLNet Smart Receiver has two inputs for sensors. These sensors can be used to monitor the status of the fixture or the environment.

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.



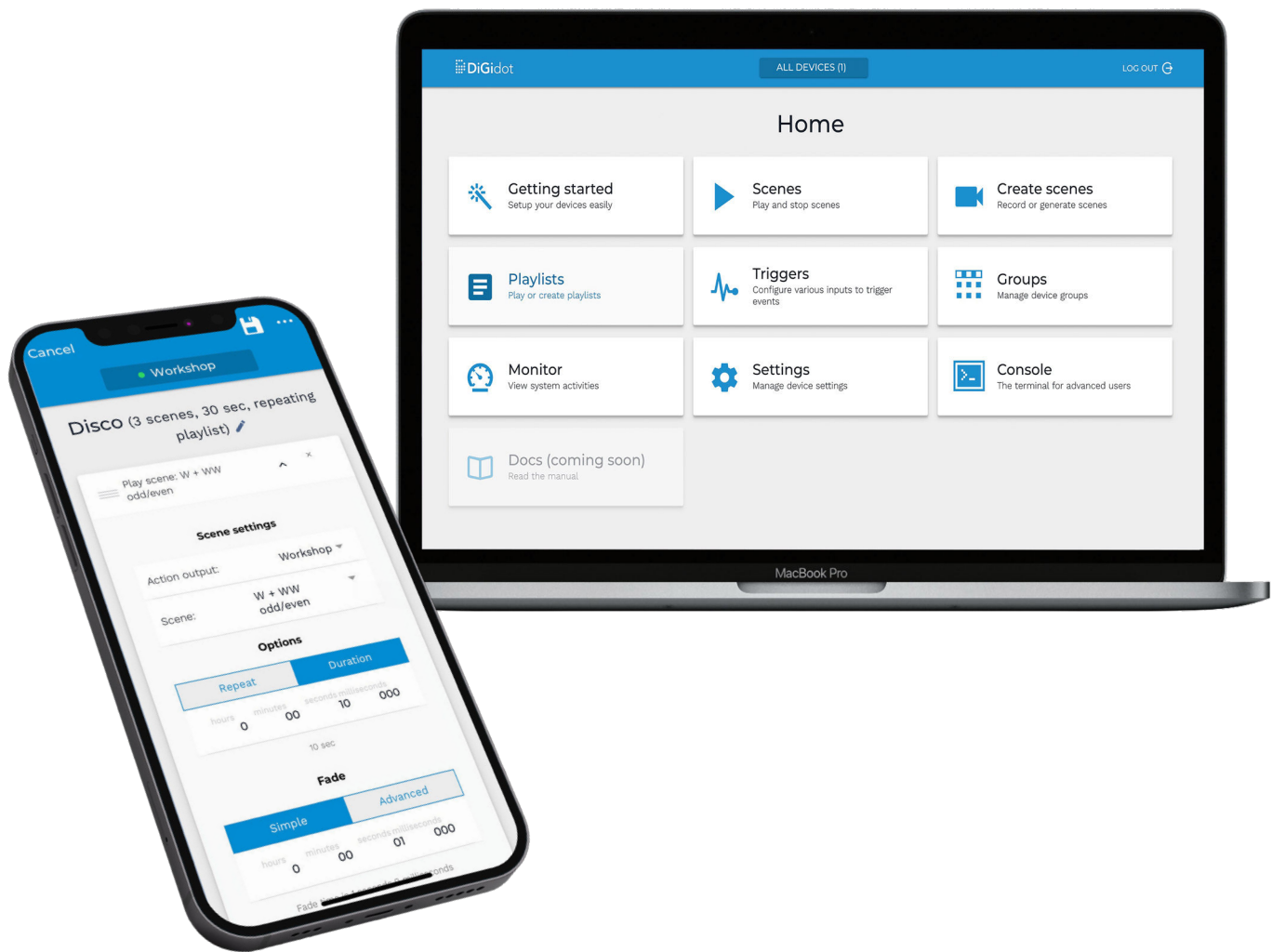
ONYX Towers
Manama, Bahrain



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 8 | 4096 channels
- Live 16 | 8192 channels
- Live 12 | 6144 channels
- Live 24 | 12288 channels

C4 Extended

- Extended 2 | 1024 channels
- Extended 4 | 2024 channels
- Extended 8 | 4096 channels
- Extended 12 | 6144 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.



Exciting Updates for 2025!

Software Update 3.0 with powerful new tools

We're thrilled to share what's coming in 2025: powerful new features designed to elevate every aspect of your lighting projects, 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

Streamlined Control with DiGidot

Say goodbye to external programmer devices—our DiGidot controller includes robust programming features, simplifying setup and reducing installation time and complexity.



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
- 500m Long-range PxLNet input
- Convert PxLNet or DMX to SPI, DMX, PxLNet



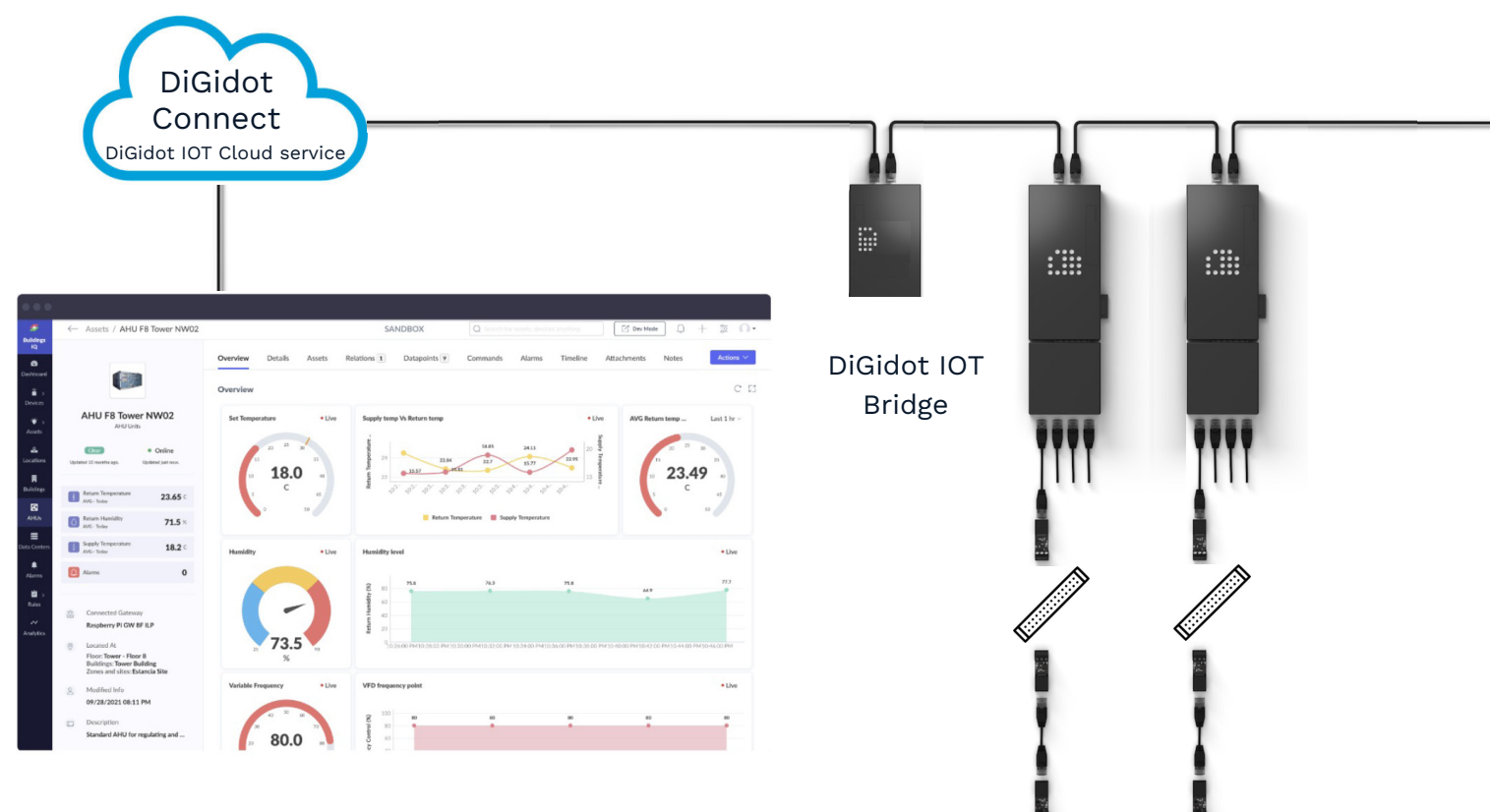
DiGidot Connect IOT Bridge / Cloud

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



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

Contact for more information:

Info@digidot.eu

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[@digidottechnologies](https://www.instagram.com/digidottechnologies)

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