DiGidot C1

Specification sheet

PUSHING CONTROL BOUNDARIES

5-48 VDC · **SPI** · **DMX RDM** · **PxLNet** · **RoHS** · **CE** · **IP40** · **5 Warranty**

ART NET · **sACN** · **8-16 BIT** · **TRIGGERS** · **ARM** · **RECORD** · **SCENES** · **WIFI**
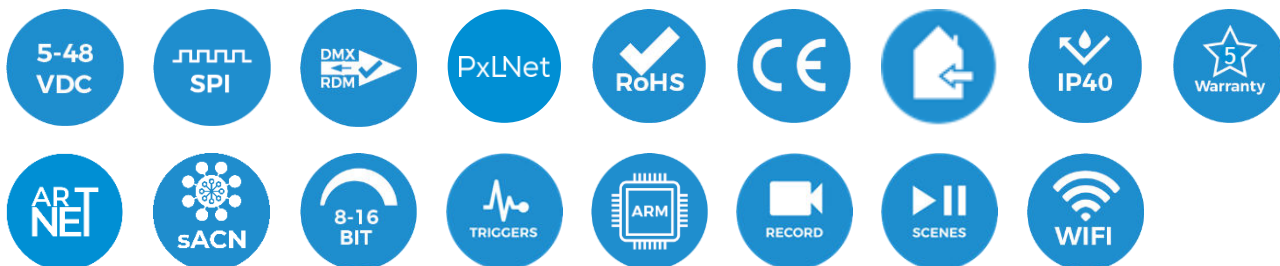
Meet our smallest powerhouse yet: packed with the full DiGidot engine, this compact marvel offers flexible live and extended licensing, so you can tailor it precisely to your project's needs. With a form factor small enough to fit in the palm of your hand and optional DIN-rail accessories, it's easy to install and conceal in any setup. Get ready for powerful performance in a discreet package!

Top
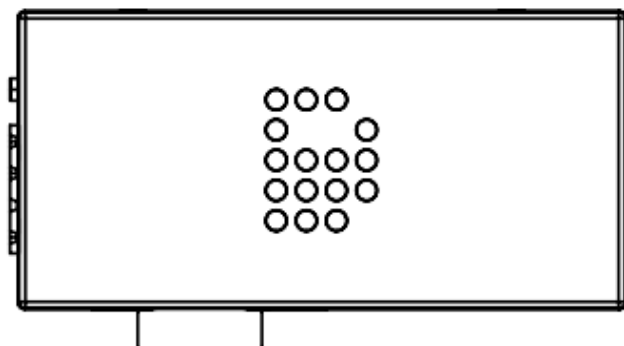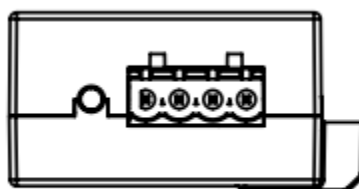
Side

DiGidot

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Description

The DiGidot C1 is our most compact powerhouse, combining years of expertise into a budget-friendly solution—all while staying fully integrated within the DiGidot platform.

Equipped with a four-pin header on the front, the C1 offers versatile output options: Data, Data Clock, DMX, or PxLNet[1]. Need to scale up? The integrated switch allows seamless expansion—just connect additional DiGidot products and enjoy complete control via the intuitive DiGidot Engine through the app or web interface.

Designed for flexibility, the onboard voltage regulator supports a wide range of inputs from 5 VDC to 48 VDC. The SD card slot follows the same structure as its larger counterparts, and the built-in WiFi chip ensures effortless maintenance and updates, making system management a breeze.
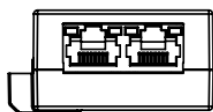
Features

- The smallest of its kind
- Build on the highly adaptable DiGidot engine
- Flexible port configuration
- Internal Ethernet Switch
- Internal Wi-Fi

- Flexible operating voltage (5 – 48 VDC)
- SD Card for triggers, scenes and settings
- Onboard button
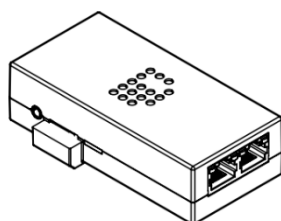- External triggers

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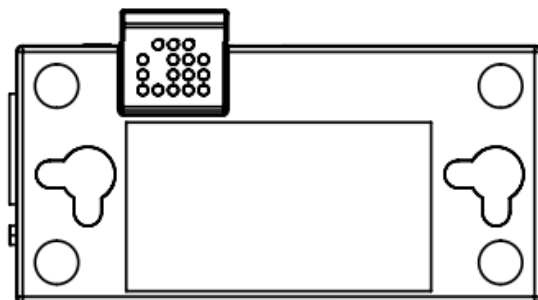[1] Available later in the year

DiGidot
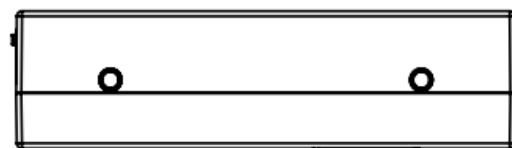
Technical drawings

Input Side (H: 30mm)

Power Side

Top

Isometric

Bottom

DiGidot

Specifications

Electrical

Input Voltage	5-48 VDC
Max. Power Consumption	5 W

Mechanical

Housing Material	Acrylonitril-Butadieen-Styreen (ABS)
Dimensions	95 x 45 x 25 mm	3746 x 1772 x 984 mil
Net Device Weight	74 gr	2.61 oz
Package Weight	140 gr	4.94 oz
Mounting	Screw

Environmental

Operation Temperature (Tc)	0 to 50 °C	32 to 122 °F
Ambient Temperature (Ta)	40 °C	104 °F
Storage Temperature	-20 to 50 °C	-4 to 122 °F
Operating Relative Humidity	90% (indoor use only)

Protection

IP Rating	IP40

Control

Input Protocols	Art-Net, sACN, DMX512
Output Protocols	Art-Net, DMX512, DMX TTL, RDM, SPI, UDP, OSC
Output Ports	One (Two pins for DMX, PxLNet and Data(+Clock)
Ethernet	RJ45, 10/100 Base-TX Ethernet
Wi-Fi	802.11 b/g/n (HT20)
Frequency range	2.4 GHz (2400M ~ 2483.5M)
Tx Power	Max. +20 dBm
Antenna	Internally
Wi-Fi security	WPA, WPA2
Encryption	WEP/TKIP/AES
Trigger options	max. 3 analog inputs
	Onboard Button
	Power Up
	Sunset/Sunrise
	Art-Net/sACN/DMX
	HTTP-Get, OSC, UDP
	Internal tasks
Programming & Control	DiGidot web-based user interface
	Compatible Apps
	Any type of Art-Net or sACN software/device

Connectivity

Max. Power Wiring	2,5 mm2	12 AWG
Max. Data Wiring	0,2 mm2	26 AWG
Network	2x RJ45
IO Port	4 pins In-and Output
Trigger Input	3.5 mm TRRS mini jack (4 – pins)

DiGidot

Quality

Warranty	5 years carry in factory warranty
Compliances	CE, RoHS, pending ETL (expected 2025)
Applied standards	EN60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013, IEC60950-1/EN60950-1, EN61006-6-3, EN55032

DiGidot

Safety Instructions

Before installing DiGidot products it's important to take notice of following safety and installation instructions.

> Before installation and use of this product, read this manual carefully.

> Make sure that these instructions are handed over to the end-user and those responsible for installation, use and maintenance.

> Local electrical and safety rules and guidelines always overrule this manual.

> Installation should only be carried out by a professional and certified installer that is qualified to work on the electric installation.

> Do not conduct any repairs of the device (there are no user serviceable parts inside). Any unapproved repairs and/or product modifications will void product warranty. DiGidot Technologies B.V. cannot be held liable for any consequences.

> Repairs of this product may only be carried out by the manufacturer DiGidot Technologies B.V.

> Repairs and maintenance on the installation may only be carried out by qualified technicians.

> Always disconnect the mains power when working on a high voltage electric installation, not doing so may result in product damage and/or personal injuries.

> Do not connect or modify this product other than described in this manual.

> Never use a product that is damaged or does not work correctly or when the product starts to smoke, or when a crackling/sizzling noise is audible. If this is the case in any way, disconnect power and please contact your supplier immediately.

> The only way to power off this product is to disconnect it from the power source.

> The product is designed for indoor use (dry locations) only.

DiGidot

Packaging, Orderable Information

Content

> 1x DiGidot C1

> 1x 4 Pins Screw Terminal

> Quick start Instruction card

NOTE
We put great care in our products and have a high quality control standard. Nonetheless we advise to double check for missing or damaged items.

In case of any missing or damaged items, please contact your supplier immediately.
Never use damaged products!

Order Information

Product Name	Article nr.	EAN Code
Combinations		
DiGidot C1 Live 4	21101	8720168565877
DiGidot C1 Extended 1	21201	8720168565884
Related Items		
DiGidot Din-Rail Mount		

General Information

Online Resources

Before For technical specifications, latest documentation, manuals, product information and further support please visit www.digidot.eu.

Remarks

We have put great care in writing this manual. However, in case you encounter any discrepancies or unclarities, please contact us.

Warranty

This product is covered by a carry-in manufacturer's warranty of 5 years which covers any design faults, production faults and component failures.
Warranty voids if the product was installed or used incorrectly or not in accordance with this manual, and/or if the product was damaged due to external factors,
modified or electrically overloaded. Warranty conditions of DiGidot Technologies B.V. apply. Warranty claims have to be issued by email: support@digidot.eu.

Disposal and recycling

This product should not be disposed with other household waste. When you decide to dispose this product and/or its battery, do so in accordance with local environmental and recycling regulations.

Feedback

Tell us all about your experience with DiGidot! The continuous development of the DiGidot control platform is only possible thanks to feedback from our users. If you have any suggestions, please contact us by email: info@digidot.eu.

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Feedback

DiGidot Technologies B.V. cannot be held liable for improper handling, product installation, usage or storage. DiGidot Technologies B.V. explicitly rejects any form of liability claims in advance, whether it concerns direct or indirect disadvantages, damage, injuries, loss of income or other financial,

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