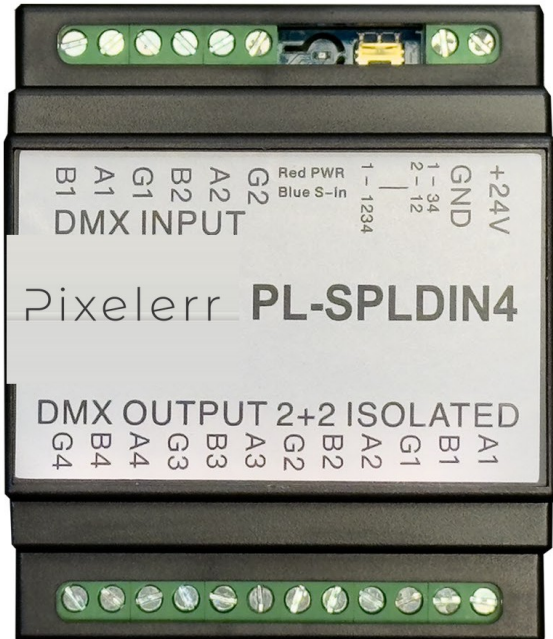


PROJECT	FIRM	ORDER #	TYPE	QTY
---------	------	---------	------	-----



**PL-SPL DIN4** is a DIN-mountable, multi-input/output DMX splitter designed to handle up to **two DMX universe inputs and four independent DMX outputs**, increasing the number of devices managed from 32 to a total of  $4 \times 32$  by splitting the signal into four separate output channels.

Two operating modes are configurable via an onboard manual switch: single universe mode distributes one DMX input to all four outputs, while dual universe mode splits two inputs into two independent  $2 \times 2$  configurations.

Output terminals are optically isolated from the inputs to ensure signal integrity and prevent electrical interference — while sharing a common ground reference for compatibility with connected devices.

## Features

- Up to 2 DMX universe inputs and 4 independent DMX output channels — expand from 32 to  $4 \times 32$  devices.
- Two operating modes via onboard manual switch — single universe (1 → 4) or dual universe (2 × 2).
- Optically isolated outputs — signal integrity and protection from electrical interference or damage.
- Common ground reference across outputs — maintains compatibility with connected devices.
- DIN-rail mountable compact housing — 3-pin connector blocks for all data input and output.
- Robust design for reliability and performance in demanding environments.

## At a glance

<p>⚡ <b>Power</b> 24 V DC, 4.5 W max</p>	<p>♦ <b>Protection</b> IP20, interior</p>	<p>≡ <b>Output</b> 4 × DMX outputs</p>	<p>🌡️ <b>Temperature</b> -10 °C to +50 °C</p>	<p>♦ <b>Certification</b> CE</p>	<p>★ <b>Warranty</b> 5 years</p>
--	---	--	---	--------------------------------------	--------------------------------------

PROJECT	FIRM	ORDER #	TYPE	QTY
---------	------	---------	------	-----

## Interface matrix

Physical interfaces and their capabilities. Output terminals are optically isolated from input terminals.

Interface	Qty	Connector	Type	Isolation	Modes	Notes
DMX IN	2	3-pin connector block	DMX512	Optical	Single / dual universe	Universe 1 & 2
DMX OUT	4	3-pin connector block	DMX512	Optical — common GND	—	Independent channels
Mode switch	1	Onboard, manual	—	—	1 → 4 or 2 × 2	Single / dual universe
Power	1	Terminal	24 V DC	—	—	+24 V · GND

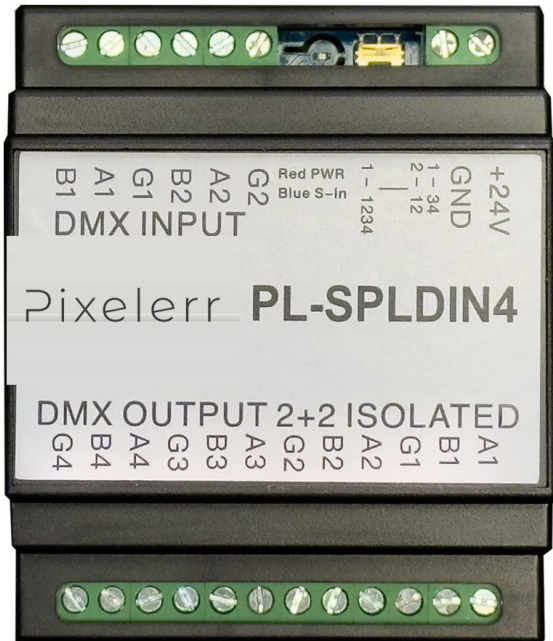
## Specifications

<b>Series</b>	DMX Splitter — DIN
<b>Product code</b>	PL-SPL DIN4
<b>Function</b>	Multi input / multi output DMX splitter
<b>Inputs</b>	Up to 2 DMX universe inputs
<b>Outputs</b>	4 independent DMX output channels
<b>Capacity</b>	Expands device control from 32 to 4 × 32
<b>Operating modes</b>	Single universe (1 → 4) · Dual universe (2 × 2)
<b>Mode selection</b>	Onboard manual switch
<b>Isolation</b>	Outputs optically isolated from inputs — common ground reference
<b>Data input</b>	3-pin connector blocks
<b>Data output</b>	3-pin connector blocks
<b>Protocol</b>	DMX512
<b>Input voltage</b>	24 V DC
<b>Power consumption</b>	4.5 W max
<b>Mounting</b>	DIN rail
<b>Dimensions</b>	L 70 mm × W 60 mm × H 90 mm
<b>Weight</b>	0.1 kg (0.22 lb)
<b>Housing</b>	Plastic
<b>Operating temperature</b>	-10 °C to +50 °C
<b>Storage temperature</b>	-20 °C to +70 °C
<b>Environment / certification</b>	IP20, interior application · CE
<b>Warranty</b>	5 years

PROJECT	FIRM	ORDER #	TYPE	QTY
---------	------	---------	------	-----

## Dimensions

### Device



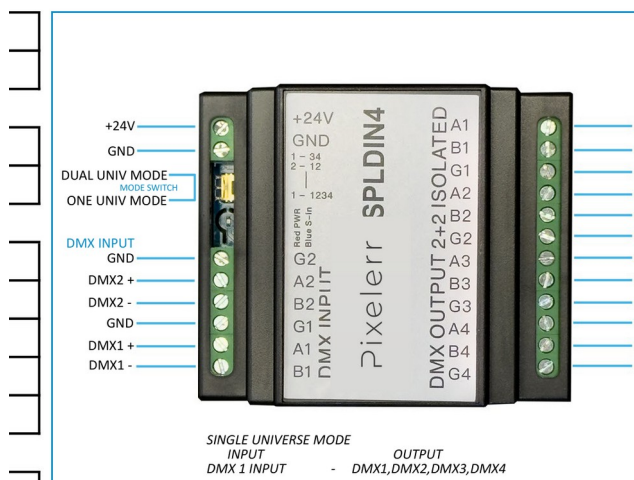
### Enclosure

L 70 mm × W 60 mm × H 90 mm;  
weight 0.1 kg (0.22 lb).

Plastic DIN-rail enclosure with 3-pin connector blocks top and bottom. IP20 — interior application only.

## Connection diagram

### Wiring



### Terminals

- Inputs: DMX1 ± , DMX2 ± with GND on 3-pin connector blocks; +24 V and GND power terminals.
- Outputs: DMX1-DMX4 ± , each with GND — optically isolated, common ground reference. Mode switch selects single or dual universe operation.

- Single universe mode: DMX 1 input → DMX 1, 2, 3, 4 outputs. Dual universe mode: DMX 1 input → universe 1 outputs (DMX 3, 4); DMX 2 input → universe 2 outputs (DMX 1, 2).

PROJECT	FIRM	ORDER #	TYPE	QTY
---------	------	---------	------	-----

## Configure your product

PL-SPL DIN4 is a single-model product — order by product code.

Model	Configuration	Model	Configuration
PL-SPL DIN4	2-in / 4-out DIN-rail DMX splitter	—	Custom specification on request

### Example product codes

**PL-SPL DIN4 Multi Input - Multi Output DMX Splitter**

## Operating modes

The onboard manual switch selects between two operating modes, making the splitter adaptable to both simple and complex lighting setups.

### Mode map

Mode	Input	Output
Single universe	DMX 1	DMX 1 · 2 · 3 · 4
Dual universe	DMX 1	Universe 1 → DMX 3 · 4
	DMX 2	Universe 2 → DMX 1 · 2

Single universe: one input to four outputs. Dual universe: two independent 2 × 2 splits.

### Notes

- Optical isolation prevents electrical interference or damage from propagating between lines.
- Outputs share a common ground reference for device compatibility.
- IP20 — interior application only; do not expose to moisture.