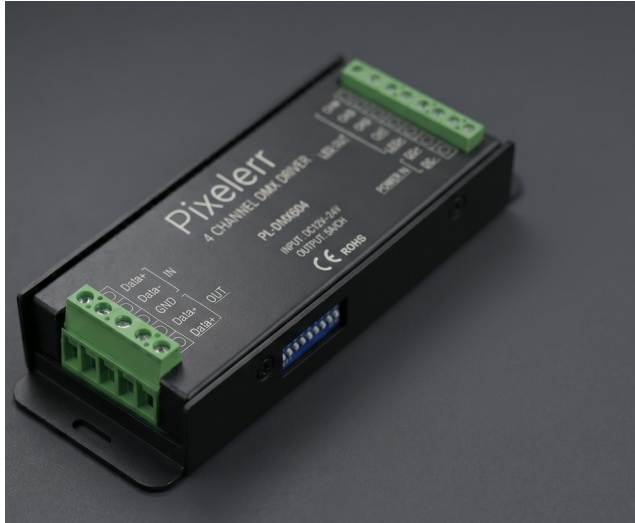


PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-DMX604 is a 4 channel DMX driver that operates on 12–24 V DC input and outputs up to **5 A per channel**. The provided connector block terminals offer easy installation for input and output cable management.

DMX addressing from 001 to 512 is set directly on the onboard DIP switch — no software required. Channel bonding allows two outputs to be combined for up to 10 A on a single load.

Comprehensive protection: short circuit, reverse polarity, over temperature, over voltage and over current.

Features

- 4 DMX channels at 0.1–5 A each — up to 120 W per channel at 24 V.
- Channel bonding capable: combine outputs for up to 10 A (common anode + bonding compatible).
- DMX 512A dimming control with 8-bit or 10-bit resolution.
- Addressing 001–512 via onboard DIP switch — fast, software-free commissioning.
- Screw terminal blocks: 3-pin DMX in/out, 8-pin LED output for clean cable management.
- Full electrical protection — short circuit, reverse polarity, over temperature, over voltage, over current.

At a glance

<p>⚡ Power 12–24 V DC input</p>	<p>◆ Output 5 A per channel 4 channels</p>	<p>☰ Protocol DMX 512A</p>	<p>🌡 Temperature –10 °C to +50 °C</p>	<p>✦ Certification CE · RoHS</p>	<p>★ Warranty 5 years</p>
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PROJECT	FIRM	ORDER #	TYPE	QTY
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Output matrix

Electrical performance by supply voltage. All other characteristics are identical at 12 V and 24 V.

PL-DMX604	Channels	Output current	Power / channel	Bonded output	Resolution	DMX address
12 V DC	4	0.1 - 5 A per CH	0 - 60 W	up to 10 A	8 / 10-bit	001 - 512
24 V DC	4	0.1 - 5 A per CH	0 - 120 W	up to 10 A	8 / 10-bit	001 - 512

Specifications

Series	DMX Driver — Constant Voltage
Product code	PL-DMX604
Channels	4 × DMX
Protocol	DMX 512
Input voltage	12 - 24 V DC
Input connection	DMX — 3-pin, 3.5 mm pitch screw terminal
Output current	0.1 - 5 A per channel
Output power per channel	0 - 120 W (24 V) · 0 - 60 W (12 V)
Channel bonding	Common anode + bonding compatible — up to 10 A
LED connection	8-pin terminal connector
Resolution	8-bit, 10-bit
Dimming control	DMX 512A
Control connection	DMX — 3-pin, 3.5 mm pitch screw terminal
DMX range	001 - 512 via DIP switch
Protection	Short circuit · reverse polarity · over temperature · over voltage · over current
Mounting	Compact PCB or chassis mounted
Dimensions	H 25 mm × W 126 mm × D 45 mm
Weight	50 g (0.11 lb)
Housing material	MS / Aluminium
Operating temperature	-10 °C to +50 °C
Storage temperature	-20 °C to +70 °C
Compliance / warranty	CE, RoHS · 5 years warranty

PROJECT	FIRM	ORDER #	TYPE	QTY
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Dimensions

Front panel



Enclosure

H 25 mm × W 126 mm × D 45 mm;
weight 50 g (0.11 lb).

MS / aluminium housing with mounting flanges for chassis fixing. All terminals are accessible from the front face; the DIP switch is located on the side of the enclosure.

Connections

DMX data — in / out

- IN: Data+, Data-, GND on the 3-pin, 3.5 mm pitch screw terminal.
- OUT: Data-, Data+ for daisy-chaining the DMX line to the next driver.
- Use shielded twisted-pair cable for DMX runs; terminate the last device on the line.

Power & LED output

- POWER IN: DC+ / DC-, 12-24 V DC.
- LED OUT: CH1 - CH4 plus common LED+ on the 8-pin terminal connector (common anode).
- For bonded loads above 5 A, parallel adjacent channels (common anode + bonding compatible).

PROJECT	FIRM	ORDER #	TYPE	QTY
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Configure your product

PL-DMX604 is a single-model product — order by product code. Pair it with any Pixelerr 12 / 24 V constant-voltage LED range.

Model	Configuration	Model	Configuration
PL-DMX604	4-channel DMX driver — 12-24 V DC, 5 A/CH	—	Custom specification on request

Example product codes

PL-DMX604 DMX Driver — 4 channel, 12-24 V DC, 5 A per channel

Addressing & control

The DMX start address (001-512) is set in binary on the onboard DIP switch, so each driver can be commissioned in seconds without software. Four consecutive DMX channels are consumed from the start address — one per output channel.

Terminal map

Terminal	Function	Rating
Data+ · Data- · GND	DMX 512 in / out	3-pin, 3.5 mm screw terminal
CH1 - CH4 · LED+	LED outputs (common anode)	0.1 - 5 A per channel
DC+ · DC-	Power input	12 - 24 V DC

All terminals are screw-type for tool-only, solder-free installation.

Control notes

- Dimming via DMX 512A with 8-bit or 10-bit resolution per channel.
- Channel bonding: drive a single load at up to 10 A by paralleling outputs (common anode).
- Protection suite: short circuit, reverse polarity, over temperature, over voltage and over current.