



Driver LED
48 x 700mA

Product description

PX163+ is a 48-channel voltage driver designed for the RGB matrix systems, ideally suited for controlling lighting in large areas consisting of multiple modular elements.

An example can be here the façade - LED screens or illuminated floors.

By using the integrated DMX signal receiver, it is possible to drive all 48 channels with DMX-512 protocol. A wide range of supply voltage (12-24V DC) and high outputs current load (up to 0.7A per channel) allow you to connect large quantities of LEDs, and hence obtain uniform illumination of the entire surface. Due to using 9-bit resolution, brightness driving of each of the channels is completely seamless. An additional advantage is the implementation of modern "flicker-free" technology with which PX163+ driver can be successfully used in the systems created for the television industry. In addition, the RDM protocol was implemented in PX163+. In relation to the previous version, the device was expanded with a display, an intuitive menu and buttons allowing for convenient setting up.

The device has the function of channels addressing, 18 integrated programmes and one scene that can be programmed. The programs can be played in the effective mode, or in the case of the disappearance of DMX signal. The driver is produced in a "common anode" version, which allows you to connect LEDs with the common plus.

A flat small housing with dimensions of 151 x 158.5 x 30 mm is designed for wall mounting. Screw connectors allow for quick and easy installation.

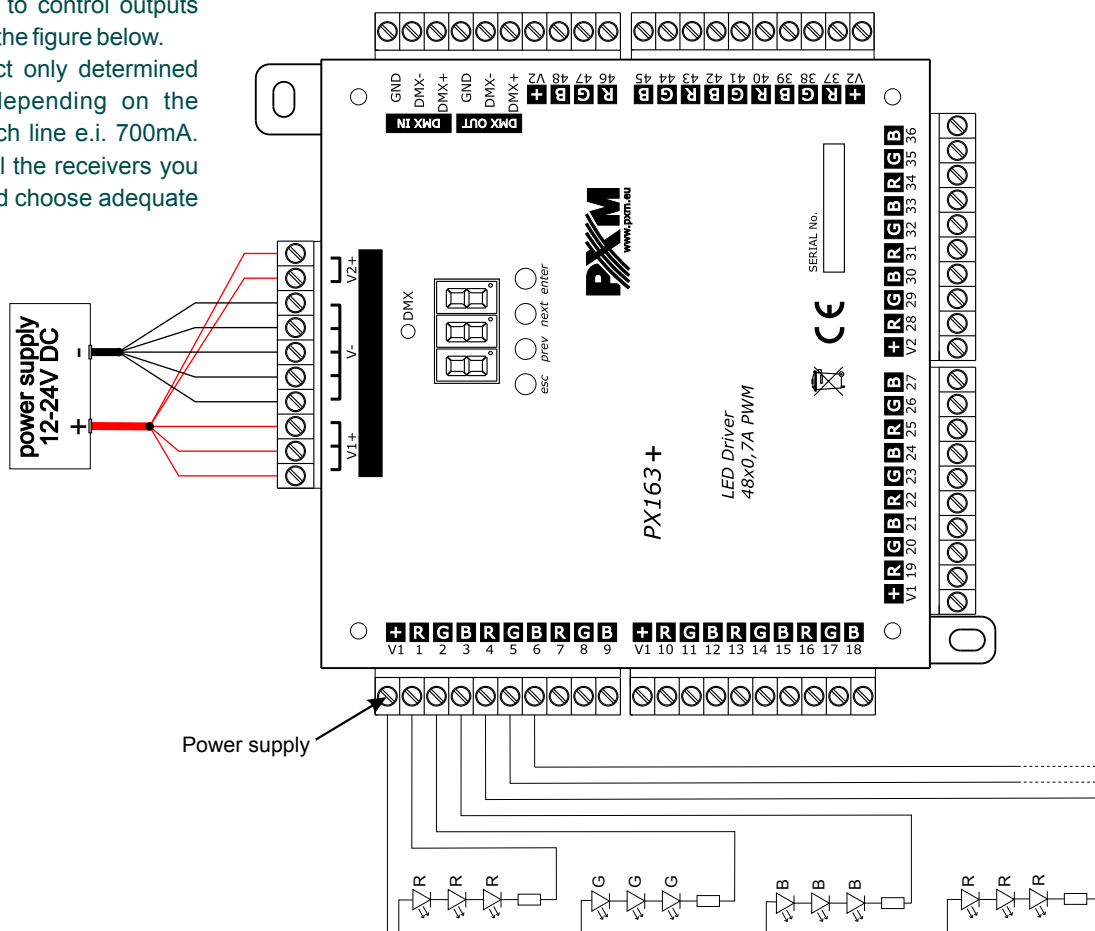
Technical data

Type:	PX163+
DMX channels:	512
Power supply:	12 - 24V DC
Current consumption:	max. 34A
Output channels number:	48
Control resolution:	9 bit
Brightness control frequency:	from 274 Hz to 1,37 kHz
Outputs load capacity:	max. 0,7A / channel
Output sockets:	terminal blocks
Dimensions:	Width: 151 mm Height: 158,5 mm Depth: 30 mm

Connection diagram

The receivers are connected to control outputs and power supply as shown in the figure below.

To each line you can connect only determined number of light sources, depending on the wattage and max load for each line e.i. 700mA. Therefore, after connecting all the receivers you should sum up all the lines and choose adequate power supply.



Dimensions - technical drawing

