



### LED driver 3x6 A PWM

## Device description

The PX282 driver is designed to control LEDs. The device has been placed inside DIN rail housing. The built-in DMX receiver allows for activating 3 channels (R, G, B) by using directly the DMX protocol. A wide range of supply voltage and a high level of current-carrying capacity (6A) enable activating large quantities of LEDs.

The PX282 can be controlled by the DMX signal or it can work independently. In such operation mode, the user has access to a fully programmable scene and 18 default sequences for which he can also change the playback speed and the smoothness of transition of particular steps. With the use of 16-bit resolution, controlling the parameters of channels is completely smooth. Moreover, the driver offers an effect control mode which allows for controlling the programs that are built into the device and, at the same time, changing such parameters as speed, brightness and fade settings using the DMX-512 signal sent from an external controller.

The driver also supports DMX-RDM protocol with its extension of DMX-512 protocol.

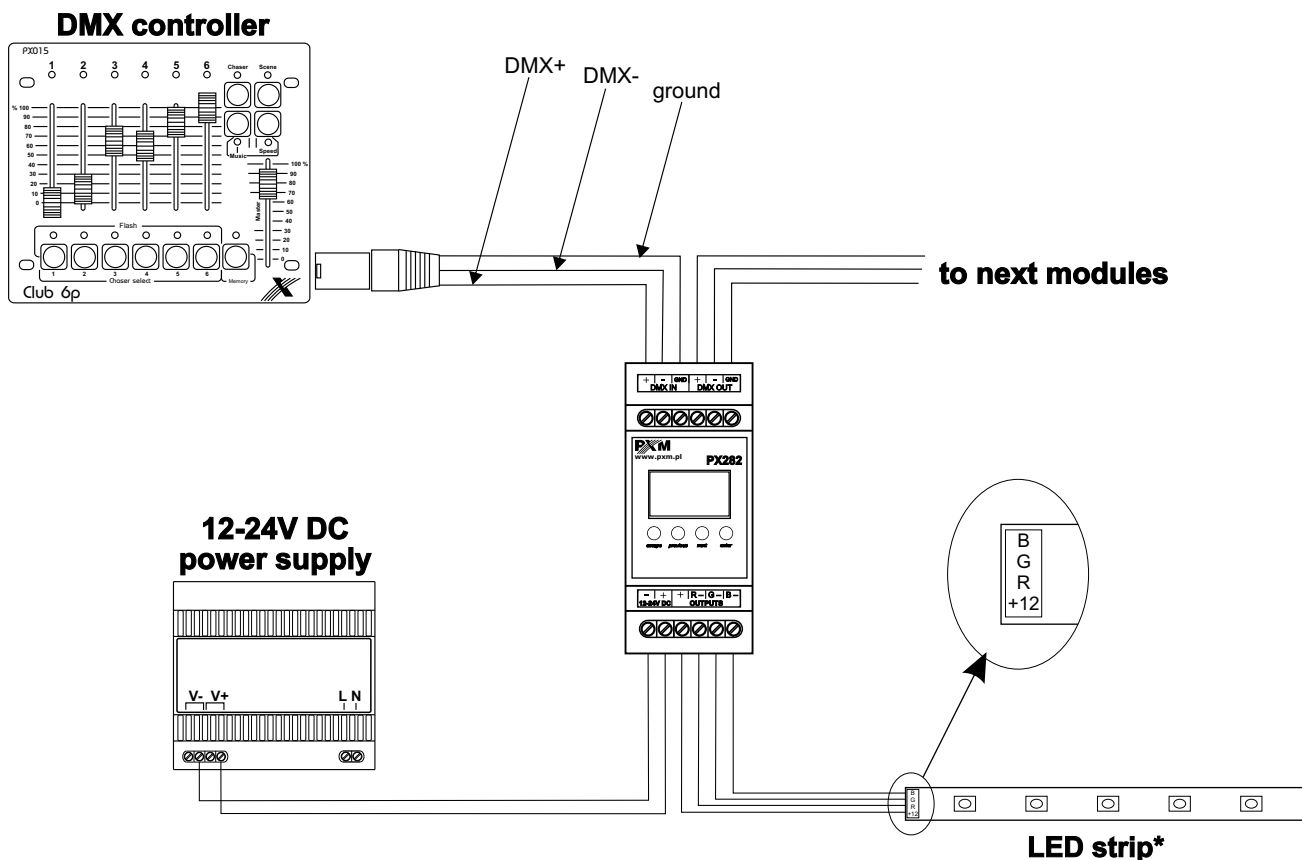
The driver offers a built-in control signal frequency tuning system ("flicker free" technology), which makes it useful in applications for the television industry. As LEDs from the RGB series often differ in parameters, problems in receiving white colour may occur (triggering 100% at all channels). This is why the PX282 has been equipped with a very useful feature called 'white balance.' With this feature, each set of LEDs can be adjusted so that the control of individual colours by the module enables achieving white colour at full activation.

What is more, this feature allows for adjusting colour temperature of white output colour. The PX282 version equipped in 6A outputs and supporting RDM protocol has been introduced to the production starting from 14260014 serial number.

## Technical Data

Type	PX282
DMX channels:	512
RDM protocol support:	YES
Power supply:	12-24V DC
Max. current consumption:	18 A
Current consumption without load:	46mA / 12V DC 32mA / 24V DC
Output channels number:	3
Control accuracy:	16 bit
Programmable scenes:	1
Built-in programs:	18
Outputs current capacity:	6 A / channel
Output sockets:	terminal blocks
Master mode:	YES
Weight:	0,1 kg
Dimensions:	Width: 35 mm (2 DIN rail modules) Height: 90 mm Depth: 58 mm

Connection scheme



\* Typical LED strips are supplied with 12 V DC - then the PX282 has to be connected also the 12V DC power supply with adequate power, in the case of using LED strips supplied with 24 V DC, the PX282 has to be connected to 24V DC power supply that power is matched to the length of the strip.

Technical Drawing

