

PRODUCT SPECIFICATION

SUMMARIZE

Welcome to use PX series DMX512 decoder & driver. PX series adopt the advanced micro-computer control technology and converted the DMX512/1990 digital signal widely used in international to the analog control signal. 1~3 channels output for option and each channel able to achieve 256 gradations of controlling, and also it can be used as the connector of PC digital light controller and analog light modulator. It is mainly used for the controlling of buildings & lights applied LED.



FEATHERS

- ◆ Meets DMX512/1990
- ◆ 256-level brightness,full-color control
- ◆ With 3 channels output and Max.3A/CH output
- ◆ With control system,can express perfect effect
- ◆ With the light color selected mechanism, and be able to control the light with 1~3 colors
- ◆ Can set the DMX address freely
- ◆ Can be custom-made

High Power DMX Decoder&driver

Model: PX24506

Meets DMX512/1990

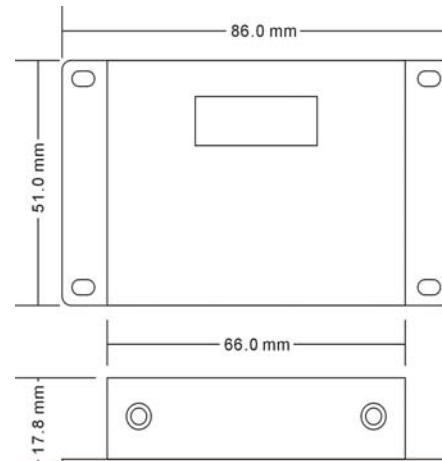
Can drive 3A(Each CH.)

Can drive many kinds of LED lamps

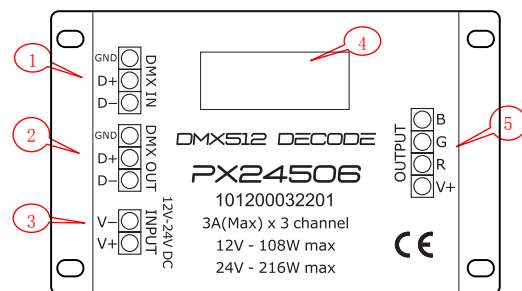
TECH. CHARACTERISTICS

Decode CH.:	3CH
Input Signal:	DMX-512/1990 digital signal
Output Signal:	can drive 3A(Each CH.)
Power Supply:	DC 12~24V
Power Dis.:	<1W
Power Output:	<216W(24V);<108W(12V)
Operating Temp.:	0~50℃
Size:	86(mm)*51(mm)*17.8(mm)
Weight:	136g

DIMENSION



Appearance



- (1) DMX signal input interface
- (2) DMX signal output interface
- (3) Power input interface
- (4) Address setting interface
- (5) Driver output interface

Interface Introduction

◆ DMX signal interface



Input and output interfaces can be interchanged for using

◆ Address setting interface

How to use See "DMX series of addresses dial code table"

◆ Addresses dial code table of DMX series

DC 12-24V input, supply power for decoder and the lamps it takes.

◆ Driver output interface

Common anode, V+ and R, G, B interface, can drive kinds of RGB module or single-color module, Can regulate output current according to the actual load.

remark:

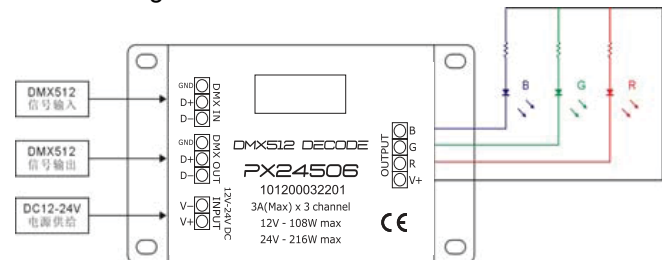
Connect the anode and RGB wire of common anode RGB module to the output interface of decoder directly;
Connect the anode wire of single-color module to V+ on decoder, and connect the cathode wire to one of RGB pin according to the LED's color; Connect several colors single-color module to one decoder, please connect their anode wires to V+ pin on decoder.

Connecting of DMX-512 Signal

- ◆ DMX signal cable used the CAT-5 cable or three-core shielded cable, and DMX signal has the positive(+) pole and negative (-) pole. While welding the DMX signal cable plug, there must pay much attention to distinguish between positive(+) and negative(-), and then connect the DMX512 signal cable with the corresponding input interface of PX24506 correctly.
- ◆ Connect a signal terminal at the end of the whole connection (To be PX24506 DIP switches set aside under section 10 can)

TYPICAL APPLICATIONS

◆ Circuit Diagram 1



产品说明书

专利保护产品，仿冒必究

概述

欢迎使用 PX系列 DMX512解码驱动器。PX系列采用先进的微电脑控制技术，把国际上广泛采用的 DMX-512/1990标准数码控制信号转换成模拟控制信号。可选择1~3路输出通道，每通道可实现256级控制级别。可用于电脑数码输出调光台与模拟硅箱的连接，建筑和灯饰用LED灯具的控制的使用场合。



产品特点

- ◆ 符合DMX512国际标准协议
- ◆ 256级灰度、全彩驱动控制
- ◆ 3路输出通道，单通道最大3安培驱动输出
- ◆ 配合控制系统，可实现丰富的变化效果
- ◆ 具有灯具颜色选择机制，可控制具有1~3种基本颜色的灯具
- ◆ 可自由设定灯具的DMX地址
- ◆ 可依客户需求定制

大功率DMX解码驱动器

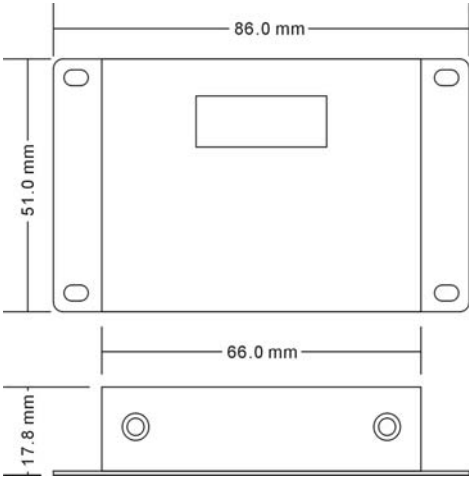
型号: PX24506

符合DMX512国际标准协议

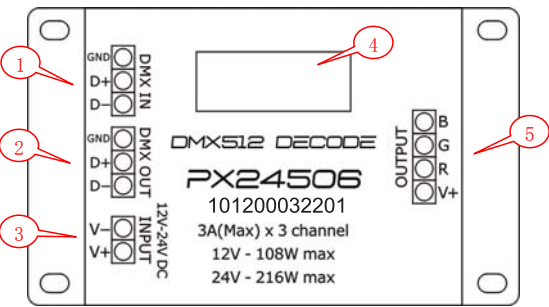
技术参数

解码通道:	3路
控制信号输入:	DMX-512/1990 标准数码控制信号
输出信号:	最大3A/CH驱动输出
供电电源:	直流电源, 12~24V
空载时功率消耗:	<1W
功率输出:	<216W(24V);<108W(12V)
工作温度:	0~50℃
设备尺寸:	86(mm)*51(mm)*17.8(mm)
重量:	136g

外观尺寸



设备外观



- (1) DMX信号输入接口
- (2) DMX信号输出接口
- (3) 电源输入接口
- (4) 地址码设置开关接口
- (5) 驱动输出接口

接口说明

◆ DMX信号接口



输入和输出接口可互换使用

◆ 地址码设置开关接口

使用方法见“DMX系列地址拨码表”

◆ 电源输入接口

直流12~24V输入，为解码器本身和解码器所带灯具供电

◆ 驱动输出接口

共阳驱动，具有一个V+接口和3通道R,G,B输出接口，可接各种全彩模组和单色模组
自动根据灯具模组负载调整输出电流

注:

共阳连接的全彩模组可直接将正线和R,G,B控制线接至解码器的输出接口对应脚位上;
单色模组可将正线接至解码器的输出接口的V+脚上，负线根据该模块的颜色接至解码器的输出接口R,G,B某一脚位上;
几种颜色的单色模组接到同一个解码器上，须将它们的正线都接到解码器的输出接口的V+端口。

DMX-512 控制信号的连接

- ◆ DMX 信号电缆采用屏蔽双绞电缆（话筒电缆）或三芯电缆线，DMX 信号分正、负端，在焊接或压接DMX 信号电缆插头时要特别注意极性。将DMX512控制器输出的信号正、信号负、信号地和PX24506的输入接口对应连接。
- ◆ 整个线路结束时，应连接一个DMX信号终结器（匹配电阻120欧，将PX24506拨码开关第10位拨下即可）

典型应用

◆ 电路一

