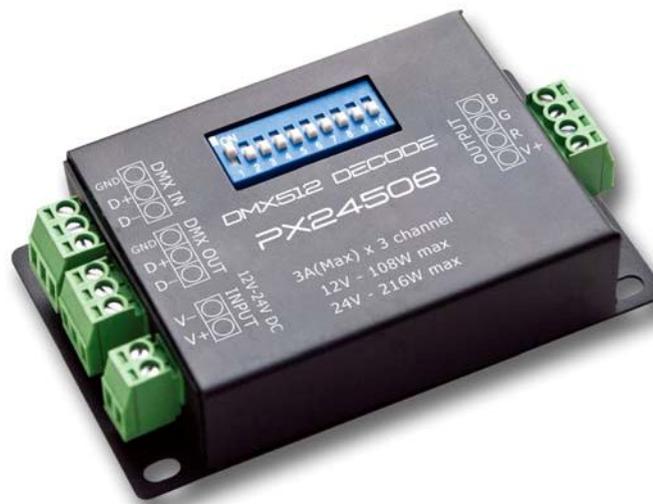


# PRODUCT SPECIFICATION

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### 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**

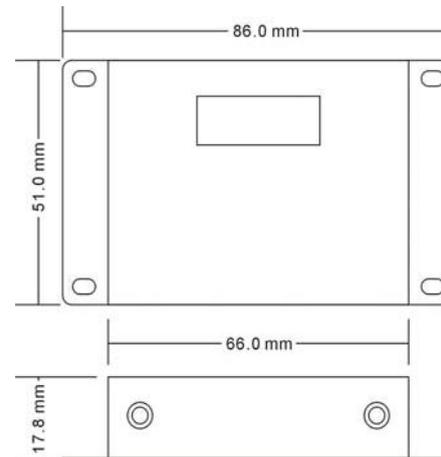
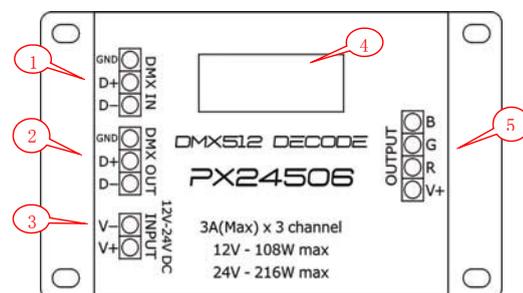
Meets DMX512/1990

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:	110g

**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

