PRODUCT SPECIFICATION

High Power DMX Decoder&driver

Model：PX403(RJ45 INTERFACE)

Meets DMX512/1990
MAX 3A/CH Output
Apply to all kinds of LED Driver

SUMMARIZE

Thank you for using PX series of DMX512 Decoder. PX series adopt the advanced micro-computer control technology, it converts the DMX-512/1990 standard digital signal adopted widely in international to the analog control signal.Output 1~4 Channels for option and each channel able to achieve 256 levels of brightness 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.

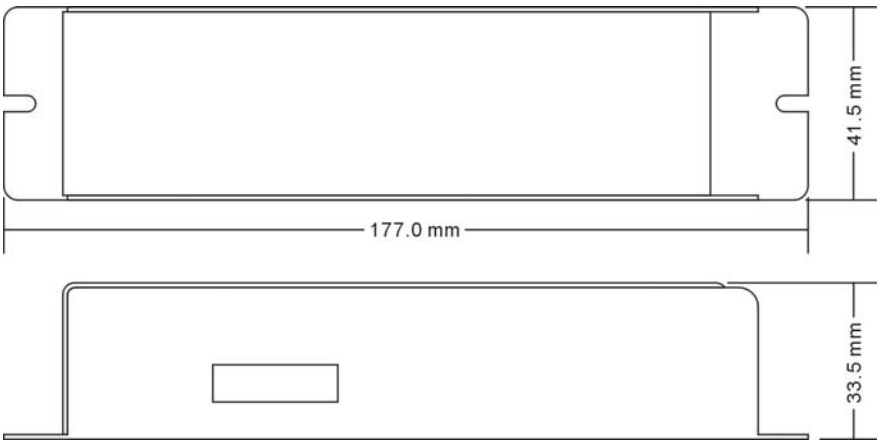
Prouuct Features

- Meets DMX512/1990
- 256-levels brightness,full-color with dirver controls
- Output 4 channels，max 3A per channel.
- Can achieve asynchronous color changes effect under working with controller.
- With the light color selected mechanism, and be able to control the light with 1~4 colors;
- Setting the DMX address freely
- Modularizing and can be matched with different LED module neatly
- Custom-made

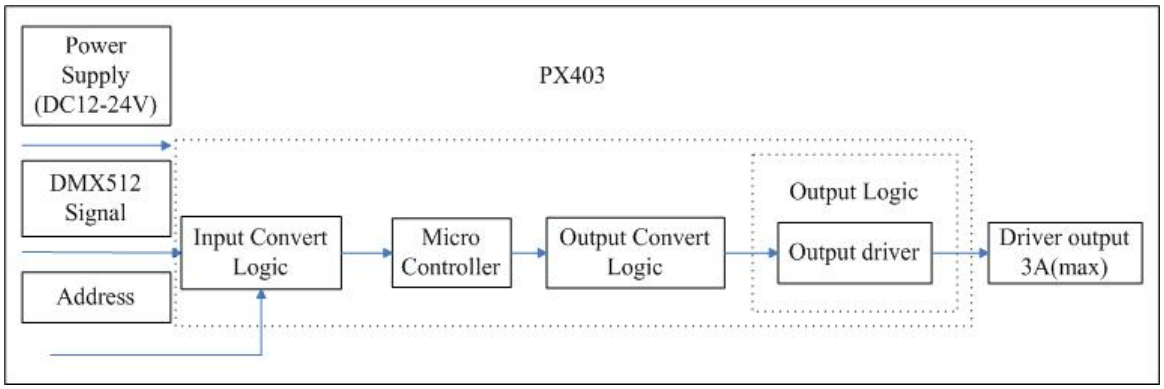
Tech-parameter

Decode CH.	1-4 CH
Signal Input：	DMX-512/1990 Digital signal
Signal output：	0~V+(V+ is power supply) max 3A/ch output drive
Power supply：	DC，+12~24V
Power Dis.：	<1W
Power output：	<280W
Work Temp.：	0~70℃
Size：	175(mm)*41.5(mm)*33.5(mm) /Custom-made
Packing size：	18(mm)*43(mm)*38(mm)
Net Weight：	242.5g
Gross weight：	255g

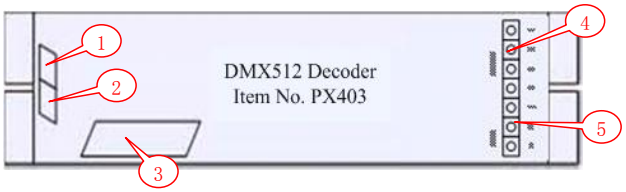
DIMENSION



Internal Block Digram



Appearance

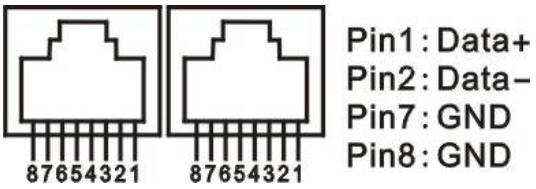


(1) 、(2) DMX signal input&output interface(RJ45)
(3) Address setting interface
(4) Driver output interface
(5) Power input interface

Interface Introduction

- DMX signal interface

RJ45



- Address code setting on/off
  Please see the operating instruction details as "DMX series of addresses dial code table "

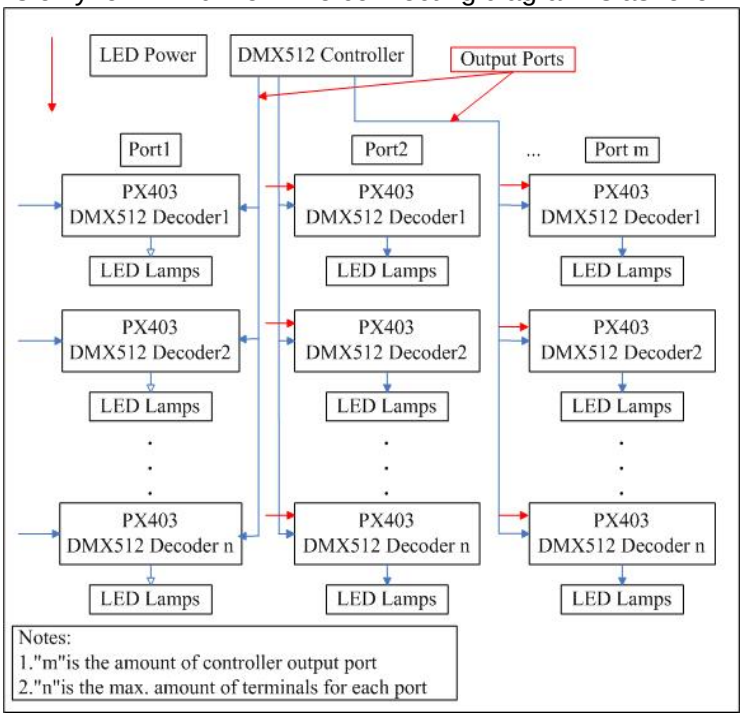
- Power Input Interface
  DC 12~24V input，supplied power with the decoder and the lamps it takes.

- 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 deoder 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.

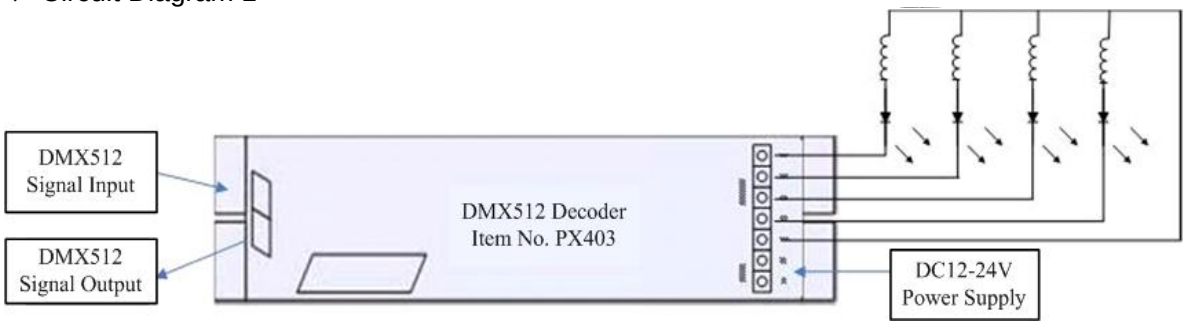
Operating instruction

PX403 Decoder is controlled by DMX-512, and its fore-end connect with the DMX512 signal transmit device Take EC-DMX512 for example, its rear-end can connect with 0~24V circuit signal device. This instruction is only for LED driver. The connecting diagram is as following.



TYPICAL APPLICATIONS

- Circuit Diagram 1



Connecting of DMX-512 Signal Cable

- DMX signal cable used the CAT-5 cable，and DMX signal tells positive(+) from negative (-). While weldin the DMX signal cable plug,there must pay much attention to know postive(+) from negative(-), and then connect the DMX512 signal cable with the corresponding input interface of PX403 correctly.
- Connect a signal terminal at the end of the whole connetion.