

4-Channel DMX 512 LED Receiver

4-channel LED receiver for DMX systems

Commercial Grade



This DMX receiver is a 4-channel DMX 512 decoder that can be used with any standard DMX 512 protocol receivers / controllers.

The DMX control module draws an input of either 12v or 24v, and will output up to 4 x 5 amps (i.e., a maximum output of 5 amps/ channel).

The receiver offers RJ45 sockets for the data signal, and can be daisy-chained using Cat 5 cable wired back to a controller. Multiple DMX receivers can be linked together.

quick spec sheet

Product code: RC-DMX-4

Physical construction

Colour	White
Materials	Plastic
IP Rating	IP22
Length	168 mm (incl. mountings)
Width	51 mm
Depth	22 mm

Electrical

Input voltage	240 V
Output voltage	12 V or 24 V
Output current	up to 5A per channel

<https://www.instyleled.co.uk/4-channel-dmx-512-receiver-standard-power/>

PRODUCT SPECIFICATION

SUMMARY

This DMX512 decoder & driver adopts the advanced micro-computer control technology and converted the DMX512/1990 digital signal widely used in international to the analog control signal. 1~4 channels output for option and each channel able to achieve 256 gradations of control. It is mainly used for the controlling of buildings & lights applied LED.

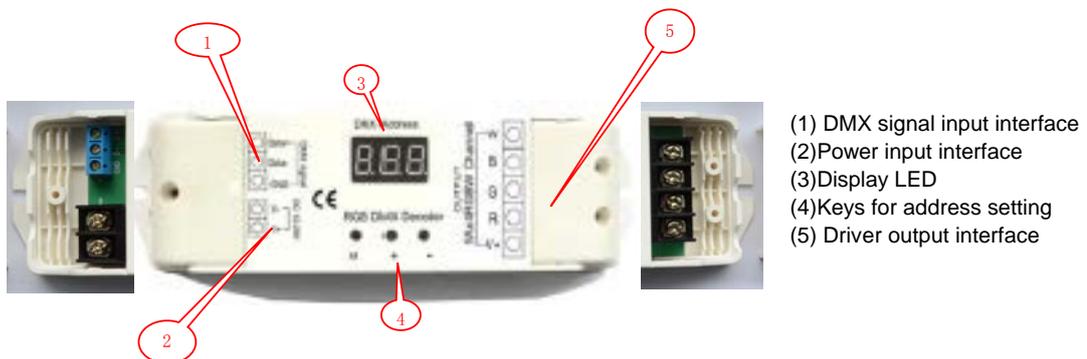
FEATURES

- ◆ Meets DMX512/1990
- ◆ With 4 channels output and Max.5A/CH output
- ◆ Decoder can Diagnose & Indicate DMX512 signal status(Not Connected, Pause, Normal), easy for using
- ◆ Can set the DMX address more easily by Keys
- ◆ With the light color selected mechanism, and be able to control the light with 1~4 colors
- ◆ 256-level brightness,full-color control,with control system,can express perfect effect
- ◆ Use Logarithmic dimming curve, smooth dimming effect
- ◆ For customer setup and use easily, the default address code is 1

TECH. CHARACTERISTICS

Decode CH.:	4CH
Input Signal:	DMX-512/1990 digital signal
Output Signal:	can drive 5A max(Each CH.)
Power Supply:	DC 12~24V
Power Dis.:	<1W
Power Output:	<480W(24V);<240W(12V)
Operating Temp.:	-20~50°C
Size:	168(mm)*51(mm)*22(mm)
Weight:	160g

Appearance



Interface Introduction

- ◆ DMX signal interface

Please pay attention to the polarity of the DMX signal. If the DMX signal is not connected correctly, an error will be displayed.

1. The DMX signal is not properly connected, the current address and --- will be displayed on the LED by loop and interval 2S;
2. The DMX signal is paused, the current address and P will be displayed on the LED by loop and interval 2S;
3. The DMX signal is normal, the current address will be displayed only;

- ◆ Power input interface

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

- ◆ Address setting keys

Address can be saved automatically, and address can be recovered when power is next turned on.

1, KEY "M", used to lock or unlock the address setting function, normally address cannot be set. When long pressing this key for 3 seconds, the dot in the bottom right of the LED will be on, used to indicate unlocked, you can change the address after setting the address, long press the M key 2S or do not press any button 5S, the dot will be off, indicating that the address code is locked and cannot be modified.

2, KEY "+", used for adding address number, short press address adds 1 each time,

long press address will be changed very fast, reduce setting time, the maximum address is 511.

3, KEY "-", used for minus address number, short press address minus 1 each time,

long press address will be changed very fast, reduce setting time, the minimum address is 0.

Remark: The default address code is 1.

- ◆ Driver output interface

Common anode, V+ and R, G, B, W interface, can drive various kinds of RGBW modules or single-color modules,

can regulate output current according to the actual load.

Remark:

Connect the anode and RGBW wire of the common anode RGBW module to the output interface of the decoder directly;

Connect the anode wire of the single-color module to V+ on the decoder, and connect the cathode wire to one of the RGBW pins according to the LED's color; Connect several colors of single-color modules to one decoder, please connect their anode wires to V+ pin on the decoder.