

Model: D1-LC

SKU:274

Product name: High power display DMX512 single-channel decoder

Specifications



Product Description

The DMX decoder uses advanced computer control chips to receive the internationally widely used DMX-512 standard digital control signal and convert it into a PWM controller signal to drive the LED; It can be connected with DMX digital console, and decoders can be added to continuously expand output channels to achieve more dimming or various program change effects. When the decoder is not connected to the DMX console, this unit can be used as a synchronous controller to synchronously control multiple decoders and LED lights. In addition, LED digital tubes are used to display the address code, and the code address increase or decrease can be set by buttons. It has the characteristics of flexible and convenient operation and clear display.

Technical Parameters

- Working temperature: -20-60°C
- Supply voltage: 12V~24V
- Output current: Each load 12A/ch ;
- Output power: 432W
- Controller size: L199xW86xH41mm
- Net weight: 500g

- Gross weight: 500g
- Channel: 3 load
- DMX512 standard: DMX512/1990

Connection description

01

Cable Interface

RJ45 DMX Signal port



02

Round Interface

XLR3 DMX Male and female heads Signal interface

03

Screw Interface

LED light strip enter



04

Digital Tube Display

screen display+Button adjustment

Instructions for use

一、Digital display description:

It uses a four-digit digital tube display, and the keys are used to increase or decrease the address. Each decoder occupies 1 address. The first digital tube is the function indicator, which only displays A, H or S; the last three are digital

digits



- 1) When the first digital tube displays A, it is in DMX512 state, indicating that the decoder enters the DMX512 signal control state. At this time, you can control its output through the network cable connected to the main console. If the digital tube displays A001, it means that the starting address code of the decoder is 001. If it is connected in series to another decoder, the starting address of the lower decoder is 002. And so on, you can continuously connect multiple decoders for multi-point individual control. If the starting codes of the connected decoders are the same, the function of synchronous control can be realized..
- 2) When the first digital tube displays H, it is in built-in mode, indicating that the decoder has entered the built-in program mode. Its built-in mode table is as follows:

显示符号	模式	备注
H-00	Turn off the output	
H-01	Jump change	speed adjustmen
H-02	Fade change	speed adjustmen

- 3) When the first digital tube displays “S”, it is the built-in speed setting state. This state is only used in H-01--H-02 mode. Press the “M” key to enter the speed adjustment, and use the - and + keys to achieve a total of 10 speed selections. Other modes are invalid.

二、Key function description:

The three keys are named: M、- and +, function as follow:

M: Function switch key, long press (about 2seconds) this key to switch between “A”and“H”states, gently press to switch between “H”and“S”states.

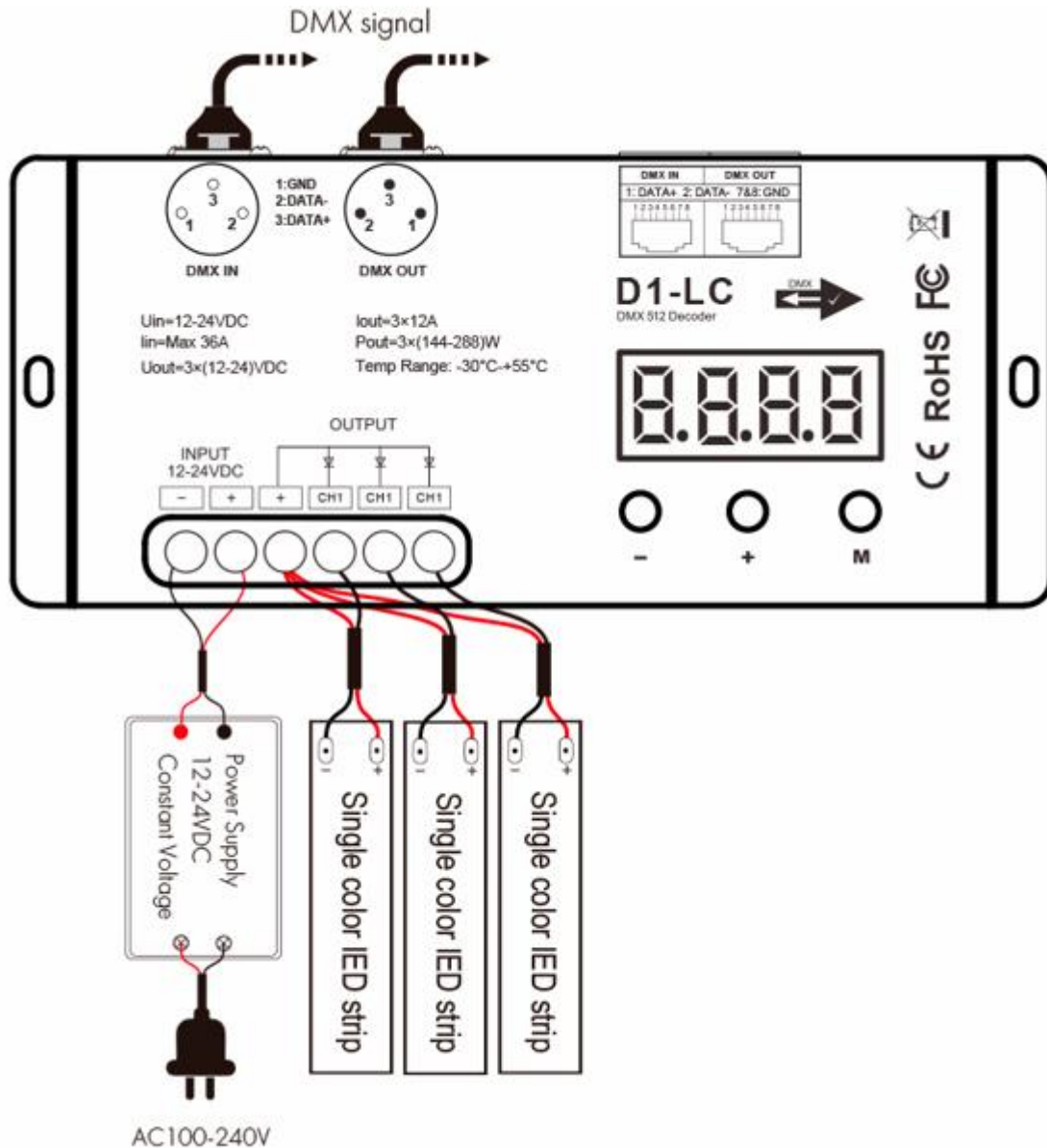
+: Add key, each time you press it, the last three digits of the digital code will increase by 1. When setting the address code, long press can achieve rapid increase. Note: The maximum value of the address code is 512, and adding 1 will return to the value 001.

—: Back key, each time it is pressed, the value of the last three digits of the digital code decreases by 1. When setting the address code, long press it to achieve rapid decrement.

Note: If there is no operation on the buttons for 5 seconds, the decoder enters the self-locking working state. At this time, the digital tube brightness dims and light pressing of the three buttons is invalid. If you need to wake up the button function, long press (about 2 seconds) any key to unlock it.

Typical application:

Application Circuit:



Note:

- 1、The power supply voltage of this product is DC12~24V, and should not be connected to other voltages;
- 2、Lead wires should be connected correctly according to the color and label provided by the wiring diagram;
- 3、This product should not be used with overload.