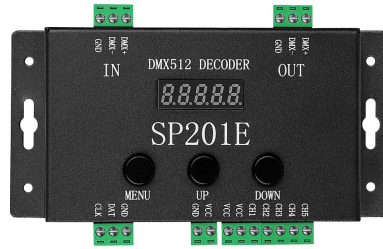


SP201E DMX512 Decoder Operating Instructions

1. Features:

1. DC5V~24V wide range of working voltage;
2. IC chipset/built-in mode/speed/decoding channel adjustable;
3. Automatic identification of DMX512 signal;
4. Supporting addressable pixel LED and RGBWW 5 channels LED;
5. Works in single or multiple synchronous cascade mode ;
6. With 99 kinds of build-in patterns;
7. User setting saving;



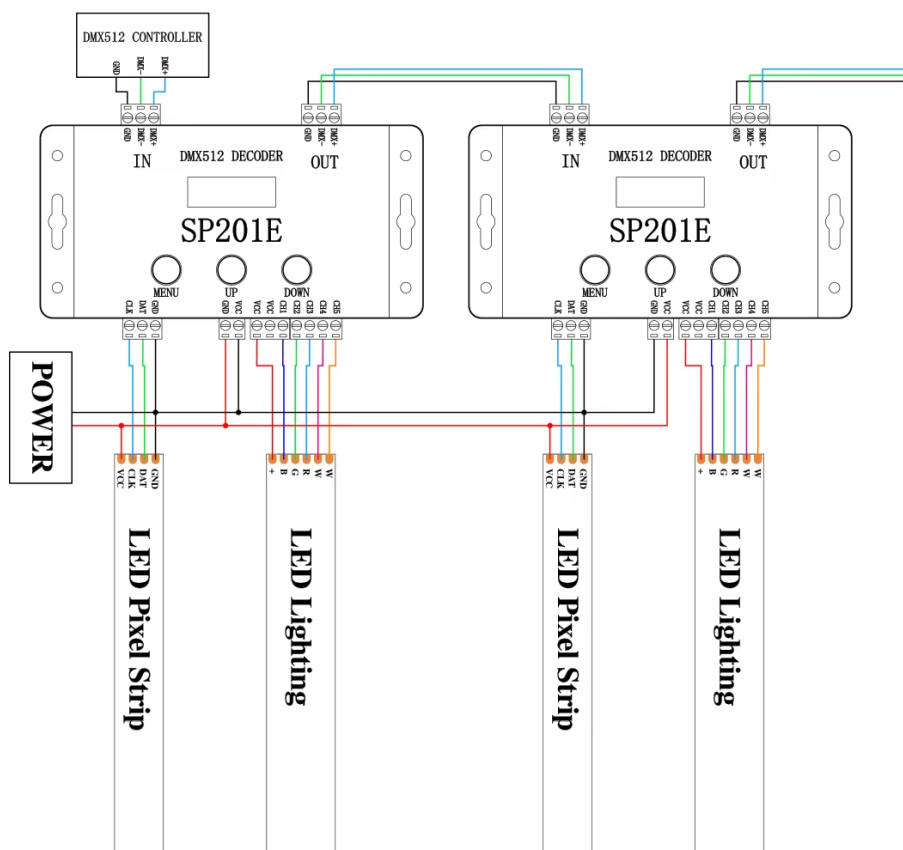
2. Functions Of Each Port:

IN	DMX+	DMX512 input signal +
	DMX -	DMX512 input signal -
	GND	Ground
OUT	DMX +	+ pole of DMX512 signal cascade to the next decoder
	DMX -	- pole of DMX512 signal cascade to the next decoder
	GND	Ground
Digital tube	Display "P--01"	Indicates that selected to mode 1, and so forth
	Display "S--05"	Indicates that selected to speed 5, and so forth
	Display "C--01"	Indicates that the channel is selected to channel 01, then will decode the DMX512 signal from channel 1 (channel 1 included).
Buttons		** See Key operation instructions below **
CLK		Addressable Pixel LED clock signal output
DATA		Addressable Pixel LED data signal output
VCC		Power(+)
GND		Ground(-)
CH1-CH5		5 Controllable Channels of PWM signal output

3. Key operation instructions :

Buttons	Functions
Menu	Pressing this button to choose to enter IC/mode (P)/speed (S)/channel (C) selection state
Up	In IC, mode, speed selection mode, increase the parameter forwardly, long press for fast selecting. In the channel selecting mode, long pressing to edit ones digit, tens digit, hundreds digit, thousands digit from right to the left.
Down	In IC, mode, speed selection mode, increase the parameter backwardly, long press for fast selecting. In the channel selecting mode, long pressing to edit ones digit, tens digit, hundreds digit, thousands digit from left to the right.

4. Wire Connection :



Basic Parameters

- ◆Power supply voltage: DC5-24V
- ◆Working current: 24mA~110mA
- ◆Controllable pixels: 1024 pixels
- ◆Working temperature: -20-60°C
- ◆Controller size: 150*95*23mm
- ◆Packing box size: 160*100*26mm
- ◆Net weight: 270g
- ◆Gross weight: 320g
- ◆Output signal: SPI signal
- ◆DMX512 standard: DMX512/1990
- ◆Built-in effects: 99 kinds of pattern effects
- ◆Control mode: button control, 512 console control
- ◆Support C: Support common LED driver 1C on the market, such as WS2811/WS2812B/WS2813/SK6812/LPD6803/LPD8806, etc.

Product introduction

- ◆DC5-24V wide voltage power supply, the power supply has anti-reverse connection function;
- ◆IC/self-contained mode/speed/decoding channel can be adjusted, and the digital tube can display it intuitively;
- ◆Real-time automatic identification of DMX512 signal, plug and play, user-friendly operation;
- ◆Decoding supports phantom lamps, colorful lamps, adjustable channels, and dual control at the same time;
- ◆Single offline control or multiple synchronous cascading two working modes;
- ◆It comes with 99 kinds of pattern effects, dazzling and agile;
- ◆Each unit supports up to 2000 decoding channels;
- ◆Power down to save user settings;

Specification

item	value
Lighting solutions service	Lighting and circuitry design, Project Installation
Product Weight (kg)	0.32
Place of Origin	China
	Guangdong
Brand Name	Lebeisenf
Type	DMX512 Decoder
Max. Load Power	1024 pixels
Connection Mode	common anode
Product name	SP201E
Application	DMX Lighting Solution
Input Voltage	DC5V-24V
Output signal	SPI Signal
Control capacity	1024 pixels
Built-in pattern	99 kinds
Control mode	Button control, 512 console control
Working temperature	20-60
Support IC	Support common LED driver ICs on the market
Working current	24mA-110mA