	Setting	LCD Display	Value	Mode
••••	Built-in sequence	MASTER MODE MODE NO : 2	1-26	Master
	Built-in speed	MASTER MODE RUN SPEED : 1	0-7	Master
	DMX Address	DECODER MODE DMX ADDRESS: 1	1-512	Slave
	DMX Signal RGB	DECODER MODE DMX RGB SEQ: RGB	"RGB" "BGR"	Slave
	Pixel	DECODER MODE PLX NUMBER: 170	1-170	Master&Slave
	IC type	DECODER MODE IC TYPE : 2811	"2811""2801""6803" "3001""8806""9813"	Master&Slave
	RGB Sequence	DECODER MODE LED RGB SEQ : RGB	"RGB" "RBG" "GRB" "GBR" "BRG" "BGR"	Master&Slave
	Integral Control	DECODER MODE ALL CONTROL: NO	"YES"," NO"	Master&Slave
	Reverse Control	DECODER MODE	"YES"." NO"	Master&Slave

Control ICs type:

IC Typ	pe Compatible ICs			
2811 TM1803, TM1804, T UCS1912, UCS2903,		M1809 UCS29	、TM1812、UCS1903、UCS1909、 009、UCS2912、WS2811 etc.	
2801	WS2801, WS2803 et	с.		
6803	6803 LPD6803、LPD1101、		UCS6909、UCS6912 etc.	
3001 TLS3001, TLS3002 etc).		
8806	6 LPD8803、LPD8806 et			
9813	813 P9813 etc.			
3uilt-in	sequences list:	-		
NO.	Built-in sequences	NO.	Built-in sequences	
1	Solid color: Black(Off)	14	Green chase with trail	
2	Solid color: Red	15	Blue chase with trail	
3	Solid color: Green Solid color: Blue Solid color: Yellow		white chase with trail	
4			RGB chase with trail	
5			Rainbow chase with trail	
6	Solid color: Purple	19	RGB chasing and fading	
7	Solid color: CYAN	20	Red chasing Green, chasing Blue	
8	Solid color: White	21	Orange chasing Purple, chasing Cyan	
9	RGB CHANGE	22	Rainbow chase - 7 Colors	
10	full COLOR CHANGE	23	Random twinkle: White over red background	
11 RGB FADING		24	Random twinkle: White over green background	
12	FULL COLOR FADING	25	Random twinkle: White over blue background	
13	Red chase with trail	26	White fading	



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(Please read through this manual carefully before use)

1. Brief Introduction

Welcome to use the DMX512 signal deocder, it is developed specially for LED lamps. It adapts the most advantage microchip technology, to convert the universal standard DMX512/1990 signal into various LED driving IC signals, and allows the LED lamps controlled by DMX512 protocol.

2. Specifications

Mode	DMX512 DATA Decoder	
Input power	DC5V-DC24V	
Input signal	DMX512/1990	
Output signal	6803/8806/2811/2801/3001/9813selectable	
Driving channel	510 Channels	
Control Pixel	170	
Dimension	L176×W46×H30(mm)	
Weight (G.W)	180g	

(3. Basic Features)

1.Automatically adapts input voltage DC5V-24V. 2.Input standard DMX512 protocol.

3.Adapts LCD display, user friendly.

4.Support various LED dream color driving ICs.

5.Support DMX master mode or slave mo 6.Over current fuse protection at output port, Wrong wiring protection at DMX input port.

6. Conjunction Diagram





DATA	6803/8806/9813/2801 DATA		
CLK	6803/8806/9813 /2801CLK		
GND	GND, connect with the chip GND		
Output WS2811/TLS3001 signal,two lines:			
DATA	WS2811/TLS3001 DATA-CLK		
GND	GND, connect with the chip GND		

The input of the power supply can either wire to the output of the decoder V+, or wire seperately. When wire to V+, the inner fuse plays its role, and the max output current is 12A. here is the schematic diagram:



*Note: According to DMX512 protocol, in order to ensure a stable data transmission, you should add a metalster(Metal Thin Film resistor, 90-120Ω 1/4 W)at the end of each layout of DMX data cable(between Foot 2 and Foot 3, Data + and Data -), please also refer to your dmx console manual to select a correct resistor.

7.Operating instructions

There are 3 buttons on the decoder: M (Manu), + (increase),-(decrease)

Μ Parameter setting,Long press for 2 seconds to switch between master mode and slave mode +

-						
-	Decrease value					
after operation	if no action within 30s the key locks backlight of the screen will turn off. Long pr					

after operation, if no action within 30s, the key locks, backlight on "M" for 2s to unlock the keys, and the backlight turns on. When at master mode, the first line of LCD shows: MASTER MODE When at slave mode, the first line of LCD shows: DECODER MODE the second line of the LCD shows the current parameter, such as: ress

DMX512 DATA Decoder DMX512 DATA Decoder 2) Wiring diagram of Slave Mode 4. Safety warnings PC CONSO To ensure correct operation, please read the user manual carefully before use.
Please don't install this controller in lightening, intense magnetic and high-voltage fields.
To reduce the risk of component damage and fire caused by short circuit, make sure correct connection. DMX512 CONSOLE Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
Check if the voltage and power adapter suit the controller. (please select DC5-24V power supply with constant voltage) 6.Don't connect cables with power on: make sure a correct connection and no short circuit checked with instrument before power on. 7.Please don't open controller cover and operate if problems occur. Please contact your controller supplier at DMX data l G CLK first time. 5. Dimensions 176mm IC STRIP IC STRIP ÷ 30mm