

DMX-декодер LW-2801 (12/24V, 170 pix)



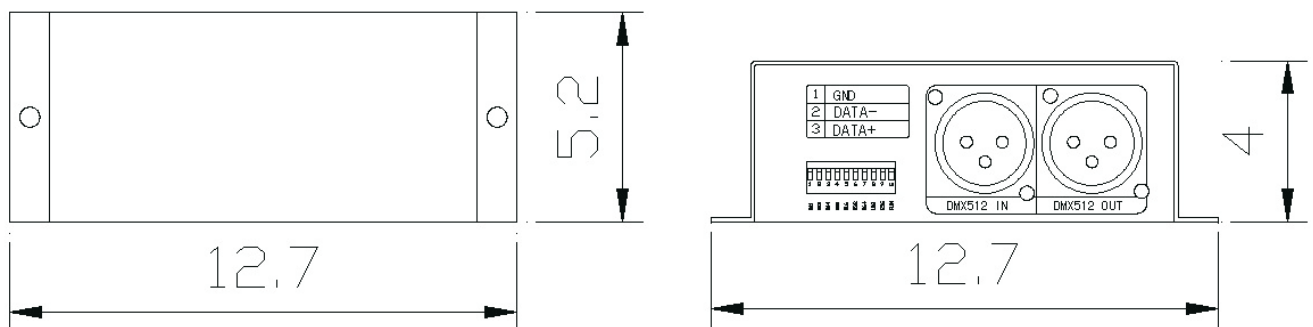
Features:

1. DMX-decoder LW-2801 can drive LED with IIC signal output.
2. DMX address can be set by DIP switch on the decoder.
3. Suitable for the LED module, LED pixel light, LED digital strip, LED digital bar etc, which based on the LED chip of WS2801.

Technical Parameters:

Item	Parameter
Working voltage	DC12-24V
Working Current	100mA max
Input Signal	DMX512
Input Port	Standard 3 PIN XLR Port
Output Signal	IIC Signal, can control LED Chip WS2801
Output Channel	1 Channel
Control Pixel	170 pixels

Mechanical Size:



Address Setting:

Each DMX decoder can decode 512 DMX Addresses to the maximum. User can set the address by the DIP switch. DIP switch in up position is OFF, in down is ON.

If the DIP is in down Position ON, you can get the value of this position, DIP is in up Position OFF, the value of this position is 0.

DMX Address Setting with the DIP Switch

DIP position 1-9 is the binary system number of setting beginning DMX512 address, 1 is the lowest and 9 is the highest. User can set 512 pcs of address totally.

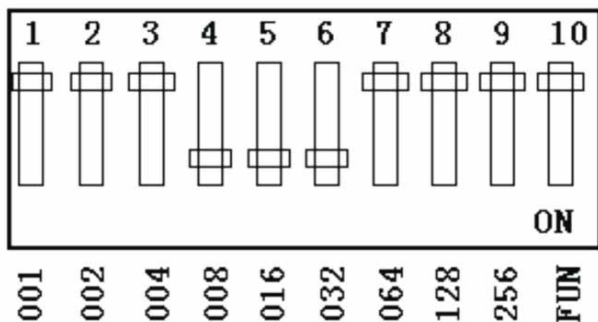
For example if the seventh position is in down position ON, you can get the value 064.

DMX beginning address = total value(1~9)+1.

NOTE: 1. When DIP FUN=OFF, the decoder can receive DMX signal.

2. After setting the address, please complete the process by connecting the power supply again.

Example:



If you want to set the 6 addresses of the decoder 57, 58, 59, 60, 61, 62, then you should set the 4th, 5th, 6th in down position ON, the other positions are OFF. 4th=008, 5th=016, 6th=032. Total value=8+16+32=56, then the beginning address is 56+1=57.

After setting the beginning address 57, then you get the 6 addresses automatically.

For the address detail please refer to the address table in the file.

Function Testing Description:

The 10th position "FUN" on DIP is functional button.

FUN=OFF, user can receive DMX512 signal.

FUN=ON for testing (only valid of starting the device, it is invalid after running the device).

1-9 OFF: Black.

DIP1=ON: Red lightened on.

DIP2=ON: Green lightened on.

DIP3=ON: Blue lightened on.

DIP4=ON: Purple lightened on.

DIP5=ON: Yellow lightened on.

DIP6=ON: Cranny lightened on.

DIP7=ON: White lightened on.

DIP8=ON: Seven color changing.

DIP9=ON: Seven colors lightened on by sequence.

Several DIP=ON: lightened on highest position channel.

Connection Details:

3Pin XLR	Function
1	GND
2	DMX-
3	DMX+

Port Name	Function
DC+	DC+ power input
DC-	DC- power input
COM	LED (GND)
CH1	LED (CLK)
CH2	LED (DATA)
CH3	Null (NC)
CH4	Null (NC)
CH5	Null (NC)
CH6	Null (NC)