SUPER BRIGHT LEDS DMX3-3CH-8A 3-Channel DMX512 Decoder User Manual

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Contents

Safety and Notes

- Product should be installed in accordance with applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source is switched off before performing any installation or wiring procedures.
- Ensure all mounts are securely attached and will support the weight of the decoder. Failure to properly secure it may result in damage or injury, for which the manufacturer does not assume responsibility.
- A DMX console is required for proper use of this decoder.

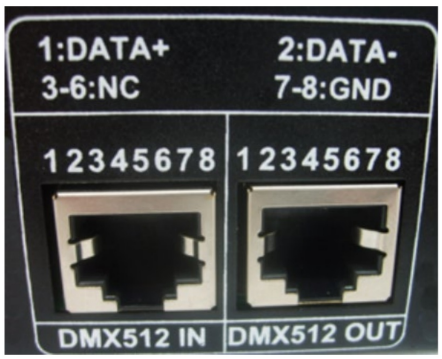
Specifications

Technical Specifications	
Operating Temperature	-4°–140° F (-20°–60° C)
Supply Voltage	12–24 VDC
Max. Output Current	up to 8 A per channel, up to 15 A total
PWM Output	3 Channels
DMX512 standard	DMX512/1990

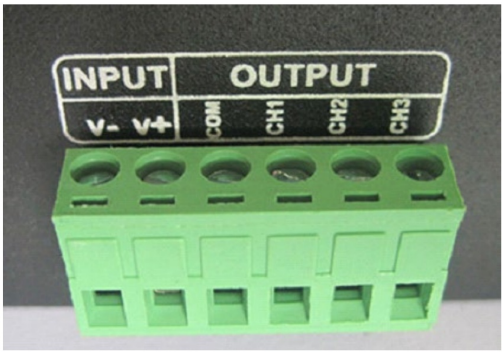
Connections and Controls

DMX512 input and output

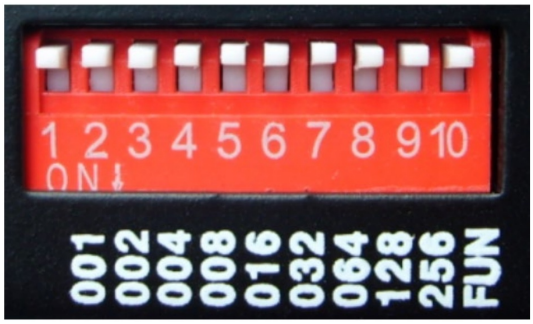
RJ45 input and output



power input and load output



DIP switch

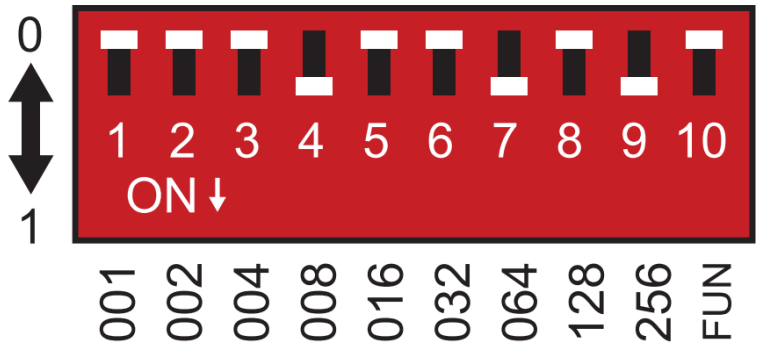


DIP Switch Instructions

This product is in compliance with DMX512 protocol. Each DMX controller takes up 3 DMX addresses. Addresses can be set using either auto-index addressing or manual code selection to set up the address. The '0' setting is OFF and the '1' setting is ON. To use auto-index addressing, all DIP switch settings should be set to OFF. When using manual code selection to set up address, the 10th switch 'FUN' should be set to OFF. The other 9 switches represent binary value code which is used to set up the DMX starting address code. The DMX starting address code is equal to the sum of switches 1–9.

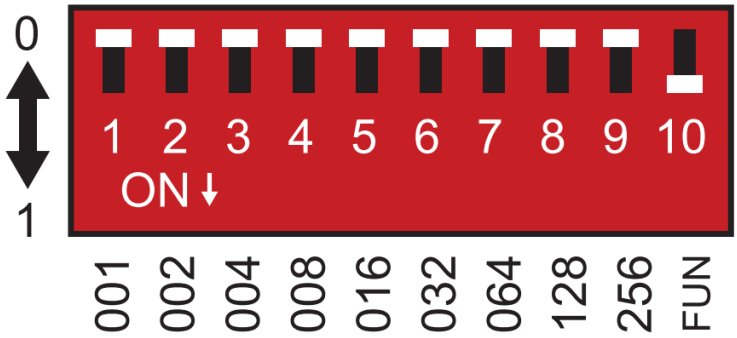
Manual Code Address Setting

To set the DMX starting address to 328 for example, switches 4,7, and 9 would move to ON (1) as 256+64+8 equals 328.



Test Function

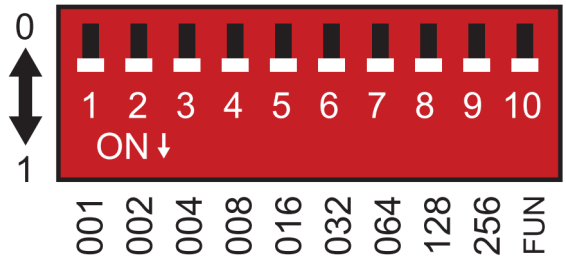
Switch number 10 ('FUN') is used to activate built-in functions. 'FUN' will always be set to OFF (0) when using DMX decoder function. When 'FUN' is ON (1), the other switches can be turned on to test specific functions listed below.



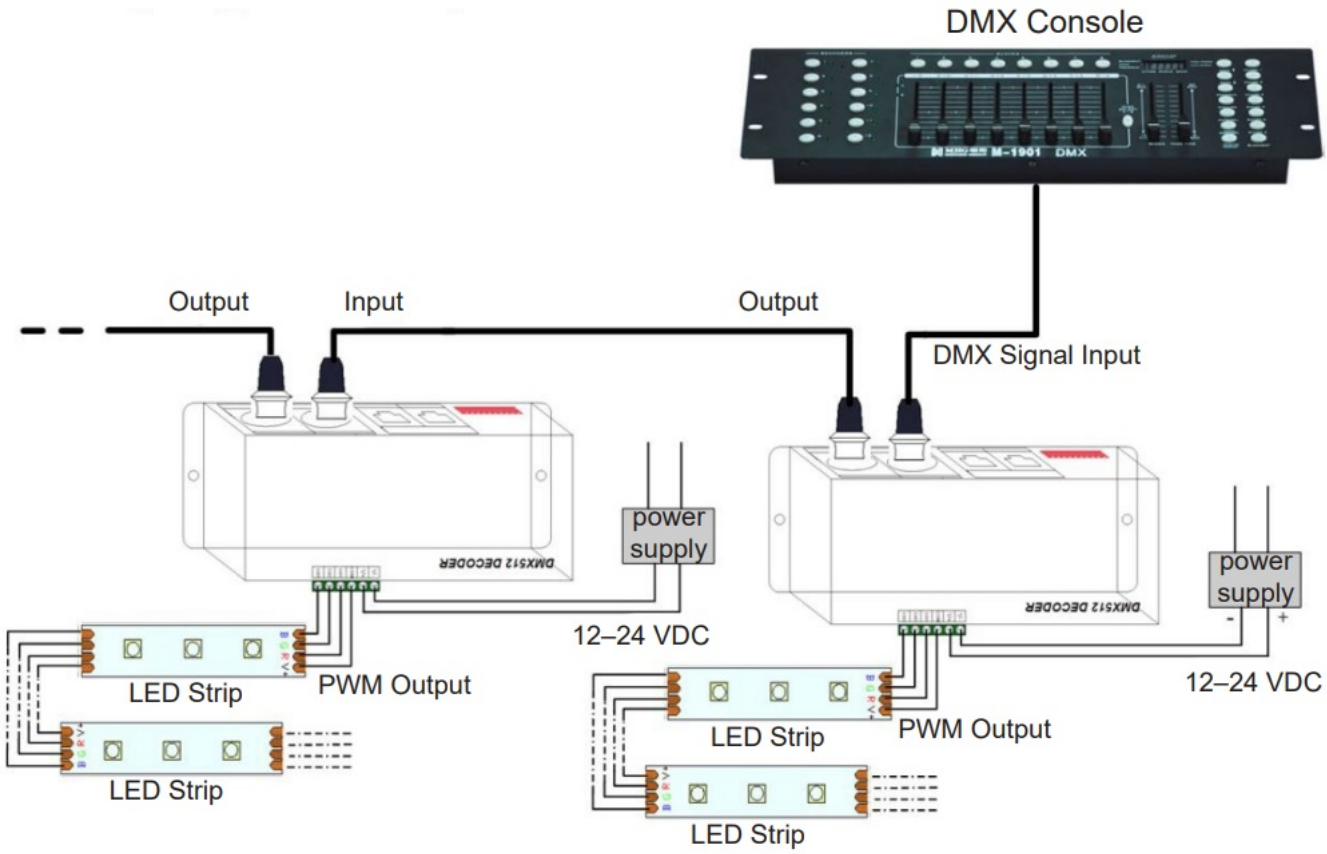
All switches OFF: off
Switch 1 ON: red
Switch 2 ON: green
Switch 3 ON: blue
Switch 4 ON: yellow
Switch 5 ON: purple
Switch 6 ON: cyan
Switch 7 ON: white
Switch 8 ON:seven color jump (eight speed settings available)
Switch 9 ON: seven color fade (eight speed settings available)

With switch 8 or 9 ON (1) switches 1 through 7 become speed settings.
Switches 1–7 OFF: speed 1 (slowest speed)
Switch 1 ON: speed 2
Switch 2 ON: speed 3
Switch 3 ON: speed 4
Switch 4 ON: speed 5
Switch 5 ON: speed 6
Switch 6 ON: speed 7
Switch 7 ON: speed 8 (fastest speed)

With all switches turned on, the decoder will cycle through the different presets at maximum speed.



Wiring Diagram (common application)



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4400 Earth City Expy, St. Louis, MO 63045
866-590-3533
superbrightleds.com

2yr WARRANTY

Documents / Resources

	SUPER BRIGHT LEDS DMX3-3CH-8A 3-Channel DMX512 Decoder [pdf] User Manual DMX3-3CH-8A, 3-Channel DMX512 Decoder, DMX3-3CH-8A 3-Channel DMX512 Decoder