DMX512

Decoder Series

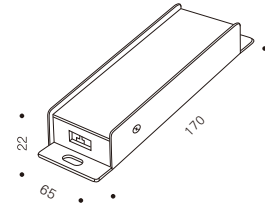
CE RoHS

Dimensions

22
170
65

Unit: mm

Specifications

Model:	DE8239		
Input:	DC12-24V	Max output Power:	480W(12V)/960W(24V)
Max current Load:	6A*6CH Max 40A	Signal Input:	DMX512/1990
Control channels:	6CH	The light gray level:	256
Protection Grade:	IP20	DMX512/PWM Socket:	RJ45/Screw terminal
Gross Weight:	300g	Work Temp.:	-30℃~70℃

Component Diagram

DMX512 DECODER
DE8239

1.DMX Signal IN/OUT(RJ45)
2.Address Dip Switch
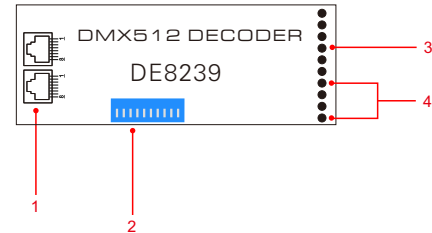3.LED lamps Connection Socket
4.Power Input Socket

Basic Features

- Follow DMX 512 / 1990 protocol.
- 256-levels brightness,full-color with driver controls.
- Can achieve asynchronous color changes effect under working with controller.
- Modularizing and can be matched with different LED module neatly.
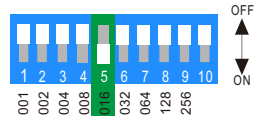- Setting the DMX address freely with dip-switch.

Product Operation

OFF

Self-testing Mode:put all DIP-Switch NO.1 to NO.9 ON
full channels output 3 seconds
then each color gradient.
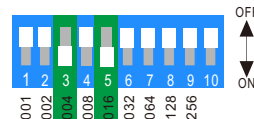
1 2 3 4 5 6 7 8 9 10

ON

How to set DMX address via DIP switch:

DMX address value = the total value of (1-9) to get the place value when in "on" position otherwise will be 0.
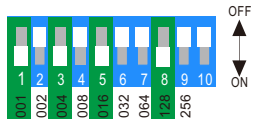
E.g. 1 : Set Initial Address to 16.

OFF

1 2 3 4 5 6 7 8 9 10

ON

001 002 004 008 016 032 064 128 256

E.g. 2 : Set Initial Address to 20.

OFF

1 2 3 4 5 6 7 8 9 10

ON

001 002 004 008 016 032 064 128 256

004+016=20

E.g. 3 : Set Initial Address to 149.

OFF

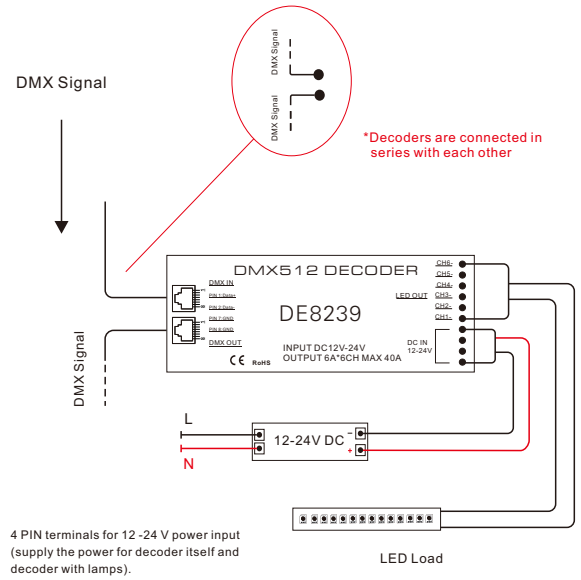1 2 3 4 5 6 7 8 9 10

ON

001 002 004 008 016 032 064 128 256

001+004+016+128=149

DMX Dimming Instruction:

Each DE8239 DMX decoder occupied 6 DMX addresses when connecting the DMX console. E.g., the defaulted initial address is 1, please find their corresponding relationships in the form.

DMX Console	DMX Decoder
CH1 0-255	CH1 PWM 0-100% (LED R)
CH2 0-255	CH2 PWM 0-100% (LED G)
CH3 0-255	CH3 PWM 0-100% (LED B)
⋮	⋮
CH6 0-255	CH6 PWM 0-100% (LED W)

Wiring diagram

DMX Signal

DMX Signal

DMX Signal

*Decoders are connected in series with each other

DMX512 DECODER

DE8239

DMX IN

DMX OUT

LED OUT

DC IN 12-24V

CH6-
CH5-
CH4-
CH3-
CH2-
CH1-

INPUT DC12V-24V
OUTPUT 6A*6CH MAX 40A

CE RoHS

L
N

12-24V DC

LED Load

4 PIN terminals for 12 -24 V power input (supply the power for decoder itself and decoder with lamps).

*DMX5000 output and DE8239's transmission lines can't be over 300 meters.

*DMX5000 each interface can with not more than 170 pieces of DE8239. Eight output interface. Through the JBLED FLASH light making software and can with computer on line control. Realize infinite contact the DMX lights.

*When connected 32 pieces of DE8239, DMX signal must add a signal amplifier RE2000 cascade can't more than 4 PCS.

Suitable lamps and lanterns

Wall Washing Lamp

LED Strip

LED Hard Light Bar

Geographic Light

AR111

DE8239-V1.1