DMX512

Decoder Series



C€ RoHS

Specifications

Model: DE8036

Input: DC12-24V Max output Power: 240W(12V)/480W(24V)

Max current Load: 5A*4CH Max 20A Signal Input: DMX512/1990

Control channels: 4CH The light gray level: 256

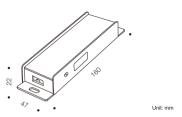
Protection Grade: IP20 DMX512/PWM Socket: RJ45/Screwless terminal

Gross Weight: 220g Work Temp.: -30°C~70°C

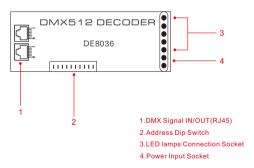
Basic Features

- Meets DMX512/1990, with RJ45 interface.
- · 256-levels brightness, full-color with driver controls.
- Can achieve asynchronous color changes effect under working with controller.
- With the light color selected mechanism, and be able to control the light with 1~4 colors.
- · Setting the DMX address freely.

Dimensions

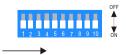


Component Diagram



Product Operation

Self-testing Mode:put all DIP-Switch NO.1 to NO.9 ON full channels output 3 seconds then each color gradient.



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.



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



004+016=20

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



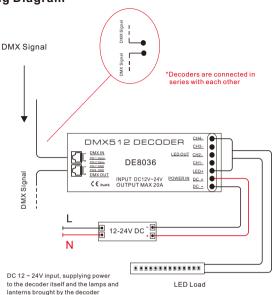
001+004+016+128=149

DMX Dimming Instruction:

Each DE8036 DMX decoder occupied 4 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)	
CH4 0-255	CH4 PWM 0-100% (LED W)	

Wiring Diagram



- *An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 4 times continuously.
- *At the end of the wiring, we should connect a DMX signal finalizer (Put ON the switch no.10 of DE8036 dial).

Suitable lamps and lanterns









Wall Washing Lamp

LED Strip

LED Hard Light Bar Geographic Light

AR111