DMX 512
Decoder Series

CE RoHS

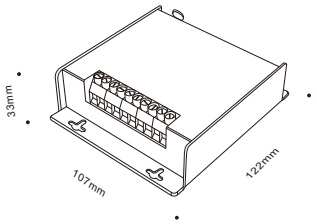
Specifications

Model:	DE8506		
Input Voltage:	DC12-24V	Max output Power:	360W(12V)/720W(24V)
Max current Load:	5A*6CH Max 30A	Frequency:	500Hz/5000Hz
Control channels:	6CH	Signal Input:	DMX512/1990
Protection Grade:	IP20	DMX512/PWM Socket:	RJ45/XLR/Screw terminal
Gross Weight:	320g	Work Temp.:	-30℃~70℃

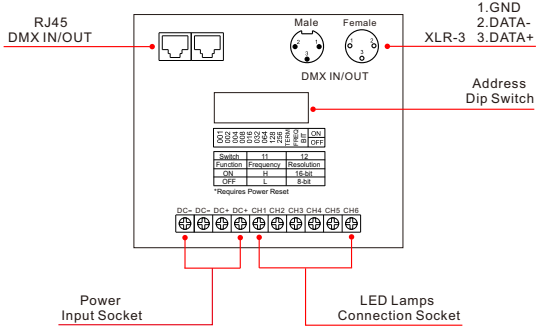
Basic Features

- Provide 3 - PIN (or 5-PIN option) XLR and RJ45 DMX connectors.
- Output 6 channels, MAX 5A per channel.Total current is 30A Max.
- 256 - level gray scale, full color drive control.
- Strong anti - interference ability ,humanized terminal design.
- Automatic protection and recovery function for short circuit and overload.

Dimensions

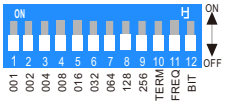


Component Diagram



Product Operation

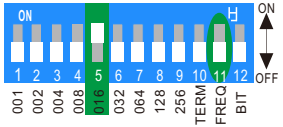
Self-testing Mode:put all Dip-Switch NO.1 to NO.9 OFF full channels output 3 seconds then each color gradient.



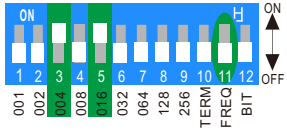
How to set DMX address via DIP switch:

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.

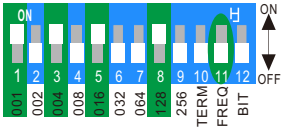


E.g. 2 : Set Initial Address to 20.



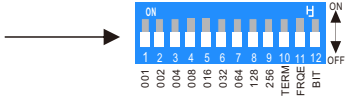
004+016=20

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

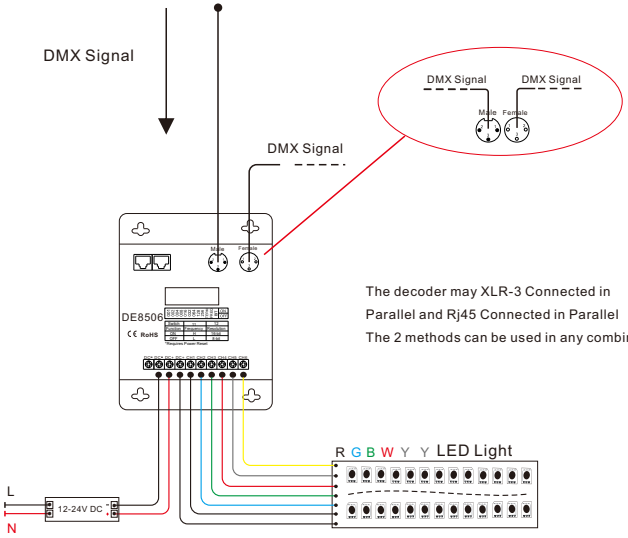


001+004+016+128=149

Dip-Switch NO.10 is TERM for whole signal circle.
Dip-Switch NO.11 for Frequency option ON: 5000HZ(H) OFF: 500Hz(L)
Dip-Switch NO.12 for Bit option: ON: 16bit OFF: 8bit
NO.11 and NO.12 change come into operation when Re-Power on.



Wiring diagram



The decoder may XLR-3 Connected in
Parallel and Rj45 Connected in Parallel
The 2 methods can be used in any combination.

An amplifier is needed when more than 32 decoders are connected
signal amplification should not be more than 4 times continuously
DMX5000 output and DE8506's transmission lines can't be over 300 meters.

Suitable lamps and lanterns

Wall Washing Lamp | LED Strip | LED Hard Light Bar | Geographic Light | AR111

DE8506-V1.1