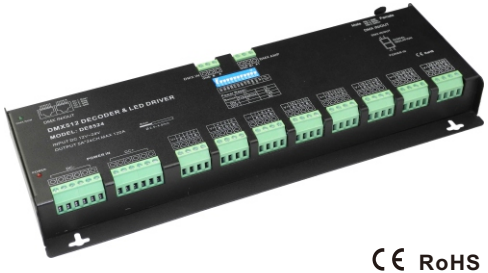
DMX 512
Decoder Series



CE RoHS

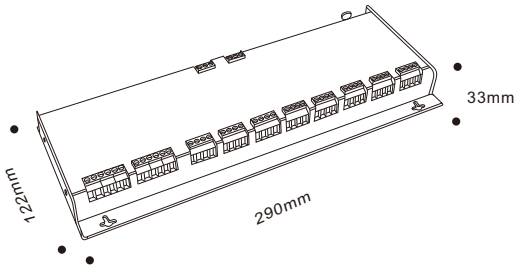
Specifications

Model:	DE8524		
Input Voltage:	DC12-24V	Max output Power:	1440W(12V)/2880W(24V)
Max current Load:	5A*24CH Max 120A	Frequency:	500Hz/5000Hz
Control channels:	24CH	Signal Input:	DMX512/1990
Protection Grade:	IP20	DMX512/PWM Socket:	RJ45/XLR/Screw terminal
Gross Weight:	920g	Work Temp.:	-30℃~70℃

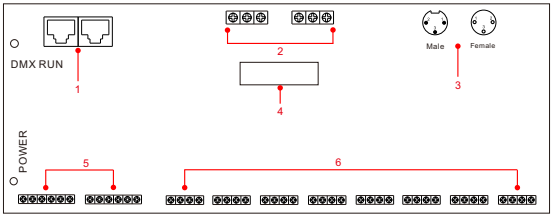
Basic Features

- Equipped with DMX standard XLR-3, RJ45 and green terminal interface, easy to operate. And it can control single color, bi-color, RGB LED lights.
- Output 24 channels, MAX 5A per channel.Total current is 120A.
- 16 bit (65536 level) / 8 bit (256 level) gray level optional.
- Automatic protection and recovery function for short circuit and overload.

Dimensions



Component Diagram

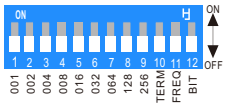


1.RJ45
2.Green Terminal (with amplifier function)
3.XLR-3 (or5-PIN option)
4.Address Dip Switch
5.Power Input Socket
6.LED lamps Connection Socket

*1,2,3 DMX input and output

Product Operation

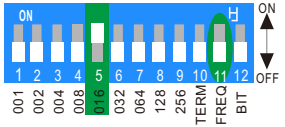
Self-testing Mode:put all Dip-Switch NO.1 to NO.9 OFF full channels output 3 seconds then each color gradient.



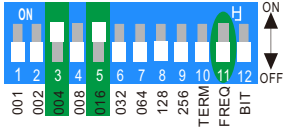
How to set DMX address via DIP switch:

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.

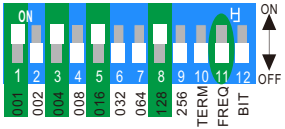


E.g. 2 : Set Initial Address to 20.



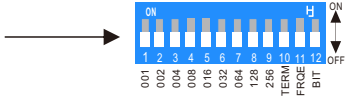
004+016=20

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

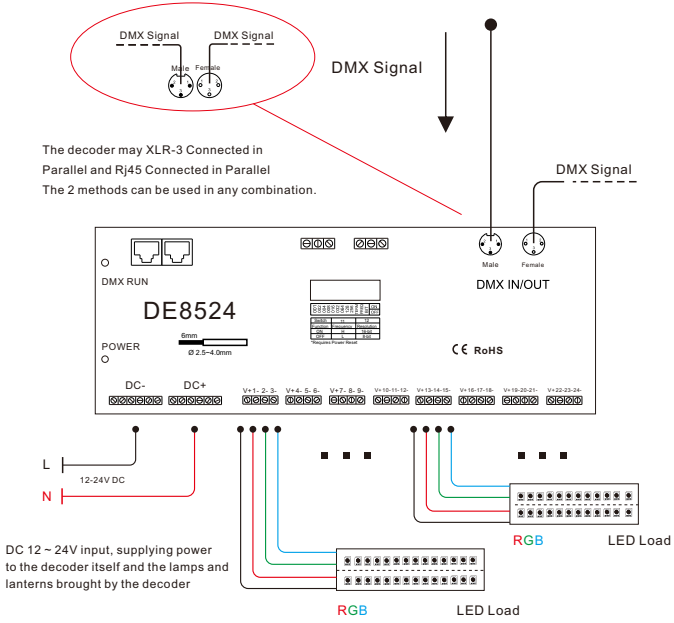


001+004+016+128=149

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



An amplifier is needed when more than 32 decoders are connected
signal amplification should not be more than 4 times continuously
DMX5000 output and DE8524'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