

# LTECH

## DMX512 DECODER

LT-904

**4**  
CHANNELS

8 bit / 16 bit  
2 kinds of DMX interfaces  
OTP/OC/SCP protection



Photoelectric  
isolation



www.ltech-led.com

## Product introduction

1. Designed with 4 channels output, and Max. 6A current per channel, up to 576W output power.
2. Easy operation with digital display and the touch buttons.
3. 3-pin XLR, RJ45 DMX interface with photoelectric isolation, improve signal transmission efficiency and anti-interference ability.
4. With RDM remote management protocol, the operations can be completed via the RDM master console, such as parameters browsing & setting, DMX address setting, equipment recognition, etc.
5. With short circuit / over temp. / over current protection, as well as warning function when fault.
6. With fast self-testing function.
7. High/low PWM frequency for optional
8. 16bit (65536 levels) / 8bit (256 levels) grey level optional.



3-pin XLR



RJ45



Photoelectric  
isolation



RDM



Short circuit  
Protection



Over temp.  
protection



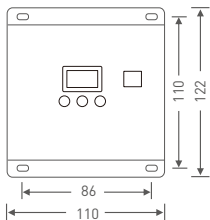
Over current  
Protection



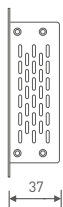
## Technical specs

Model:	LT-904
Input signal:	DMX512/RDM
DMX interface:	3-pin XLR, RJ45
Input voltage:	12-24Vdc
Current load:	6A × 4CH Max. 24A
Output power:	(0-72W...144W) × 4CH Max. 576W
Grey level:	8bit (256 levels) / 16bit (65536 levels)
Photoelectric isolation:	Yes
Protection:	Short circuit / Over temp./ Over current protection, recover automatically.
Working temp.:	-30°C~65°C
Dimensions:	L122×W110×H37mm
Package size:	L127×W123×H41mm
Weight (G.W.):	550g

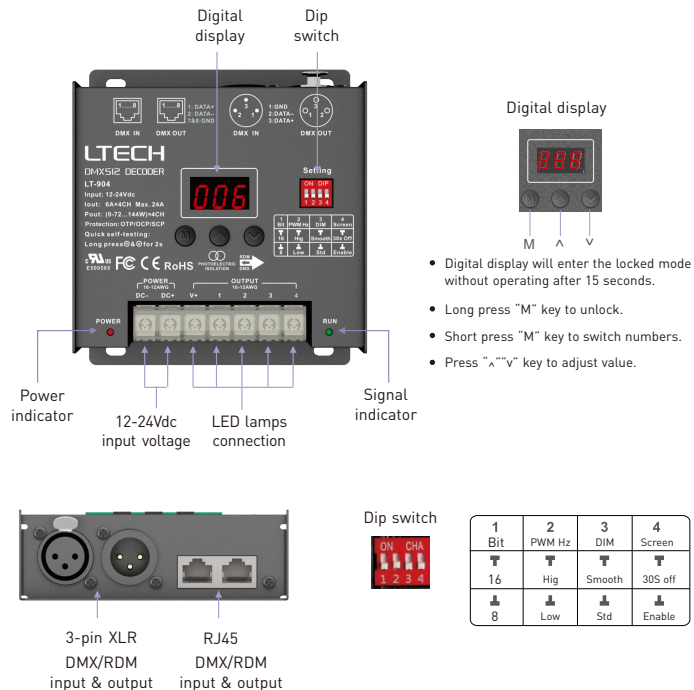
Unit: mm



2



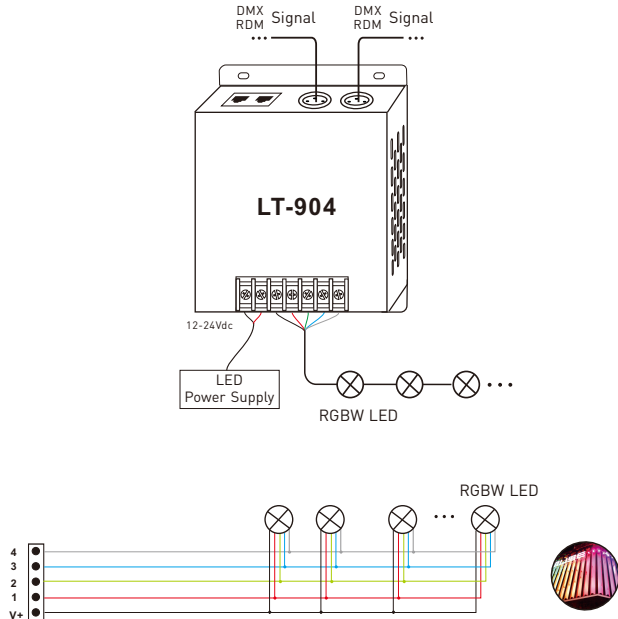
## Main component description



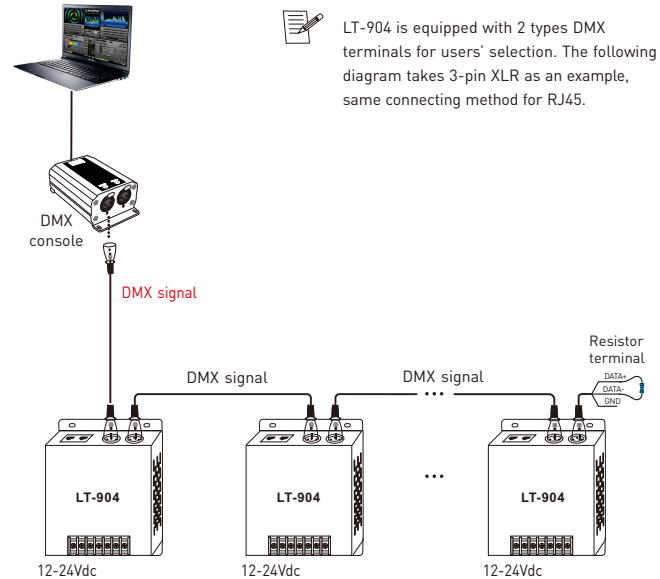
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## Wiring diagram

### 1 Connecting LED lights:

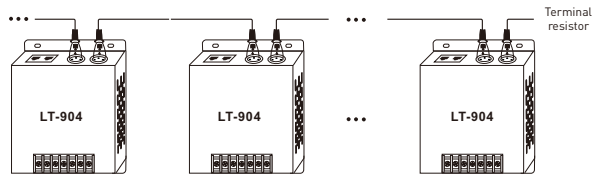


### 2. DMX console connection:

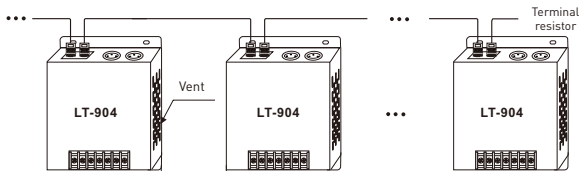


- \* An amplifier is needed if more than 32 decoders are connected or use overlong signal line, signal amplification should not be more than 5 times continuously.
- \* If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.

### 3. The connection diagram of 2 kinds of DMX/RDM terminals:



3-pin XLR connected in parallel



Installation distance > 20mm

Rj45 connected in parallel

These 2 terminals can be connected in a mixed way.

**\* Installation attention :** please reserve enough ventilation distance between decoders (>20mm), be sure not to block the vent, or will affect lifetime of decoder for poor heat dissipation.

\* No further notice if any changes in the manual.  
Product function depends on the goods.  
Please feel free to contact your supplier if any question.

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