

# LTECH

## DMX512 DECODER

LT-903

**3**  
CHANNELS

- 8 bit / 16 bit
- 2 kinds of DMX interfaces
- Short circuit /overheat / over current protection



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# LTECH

## Product introduction

1. Designed with 3 channels output, maximum 8A current per channel, and 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 / overheat / over current protection, as well as warning function when faults occur.
6. With fast self-testing function.
7. Available in high and low PWM frequency.
8. Available in 16bit (65536 levels) and 8bit (256 levels).



3-pin XLR



RJ45



Photoelectric isolation



RDM



Short circuit protection



Overheat protection



Over current protection



FC CE RoHS

5-Year Warranty

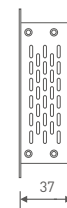
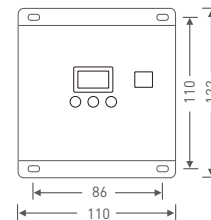
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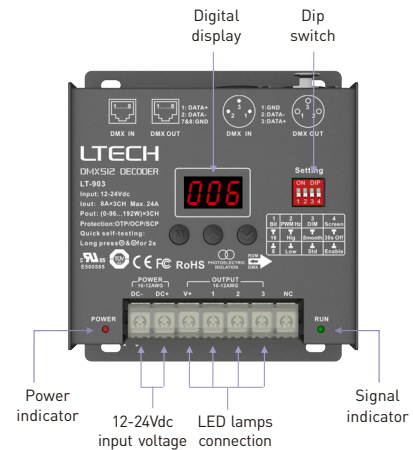
## Technical specs

- Model: LT-903
- Input signal: DMX512/RDM
- DMX interfaces: 3-pin XLR, RJ45
- Input voltage: 12~24Vdc
- Current load: 8A × 3CH Max. 24A
- Output power: (0~96W...192W) × 3CH Max. 576W
- Grey levels: 8bit (256 levels) / 16bit (65536 levels)
- Photoelectric isolation: Yes
- Protection: Short circuit / overheat / Over current protection, recover automatically.
- Working temp.: -30°C~65°C
- Dimensions (L×W×H): 122×110×37mm
- Package size(L×W×H): 127×123×41mm
- Weight (G.W.): 550g

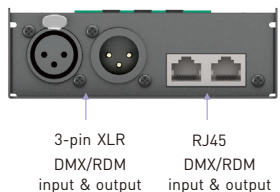
Unit: mm



# Main component descriptions



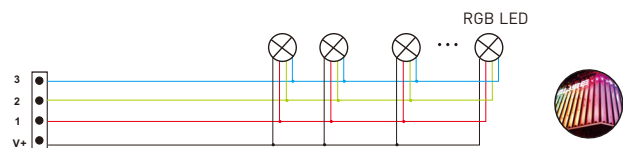
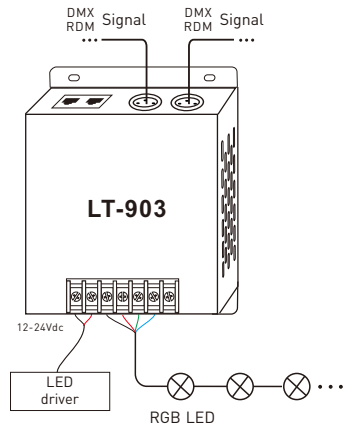
- Digital display will enter the locked mode without operating after 15 seconds.
- Long press "M" key to unlock.
- Short press "M" key to switch numbers.
- Press "A""V" key to adjust value.



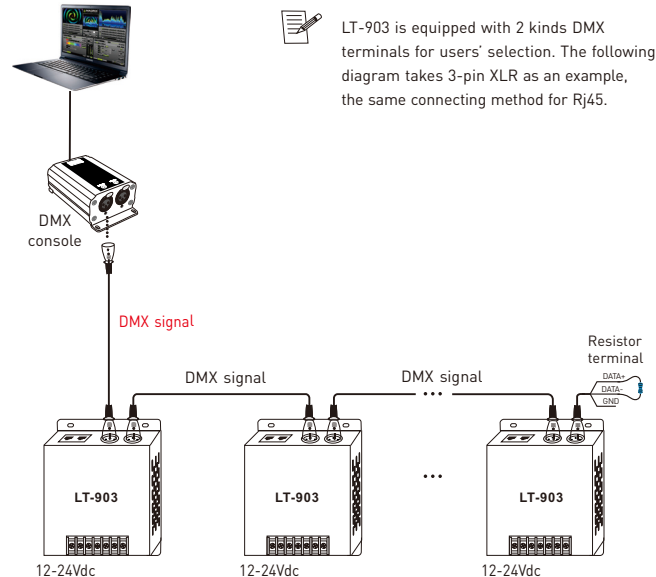
1	2	3	4
Bit	PWM Hz	DIM	Screen
16	High	Smooth	30S off
8	Low	Standard	Enable

# Wiring diagram

## 1 Connecting LED lights:

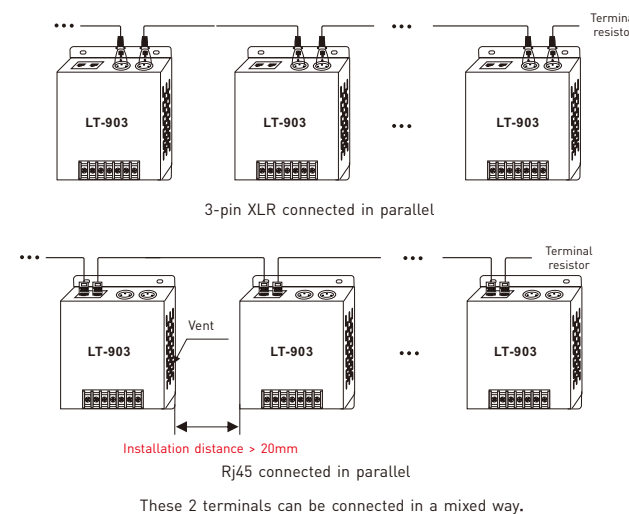


## 2. DMX console connection:



- \* 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:



- \* **Installation Attentions :** Please reserve enough ventilation distance between decoders ( no less than 20mm). Be sure not to block the vent, or it may affect the lifetime of decoders for poor heat dissipation.

\* This manual is subject to changes without further notice.  
Product feel free to contact our official distributors if you have any question.