

# LTECH

## DMX512 DECODER

LT-903

**3**  
CHANNELS

8 bit / 16 bit  
2 kinds of DMX interfaces  
Shortcut / Over load protection



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## Product Introduction:

1. Designed with 3 channels output, and Max. 8A current per channel, up to 576W output power.
2. Easy operation with digital display and the touch buttons.
3. Support 2 kinds of DMX ports: 3-pin XLR, RJ45.
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 shortcut protection and over load 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



RDM



Shortcut Protection



Over Load Protection

FC CE RoHS

warranty 5 years



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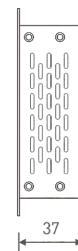
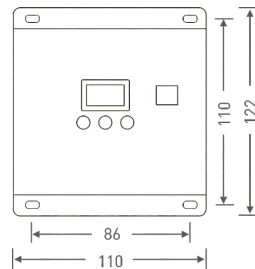
## Technical Specs:

Model: LT-903  
 Input Signal: DMX512/RDM  
 DMX Interface: 3-pin XLR, RJ45  
 Input Voltage: 12-24Vdc  
 Current Load: 8A x 3CH Max. 24A  
 Output Power: (0~96W...192W) x 3CH  
 Max. 576W  
 Grey Level: 8bit (256 levels) / 16bit (65536 levels)

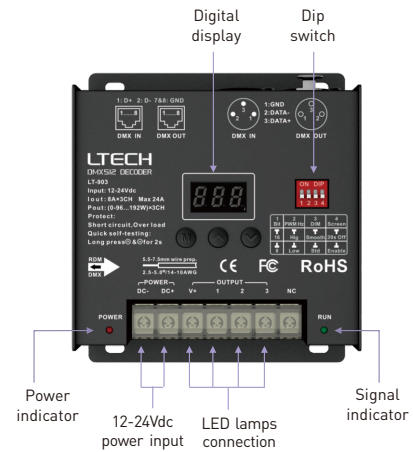
Protection: Shortcut / Over load  
 Working Temp.: -30°C~65°C  
 Dimensions: L122xW110xH37mm  
 Package Size: L127xW123xH41mm  
 Weight (G.W.): 550g

## Product Size:

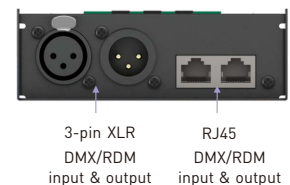
Unit: mm



### Main Component Description:



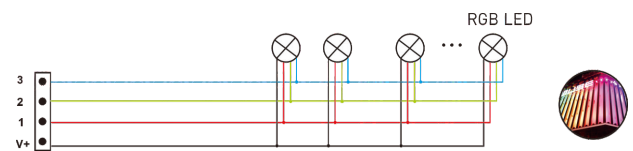
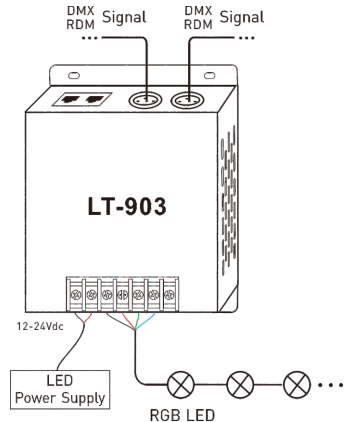
- Digital display will enter the locked mode without operating after 15 seconds.
- Long press "M" key to unlock.
- Short press "M" key to switch numbers.
- Press "A""V" key to adjust value.



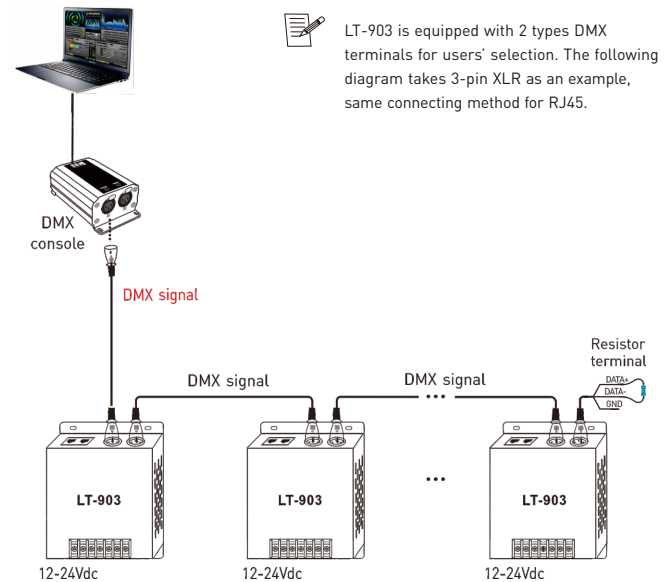
1	2	3	4
Bit	PWM Hz	DIM	Screen
16	Hig	Smooth	30S off
8	Low	Std	Enable

### Wiring Diagram:

#### 1 Connecting LED lights:



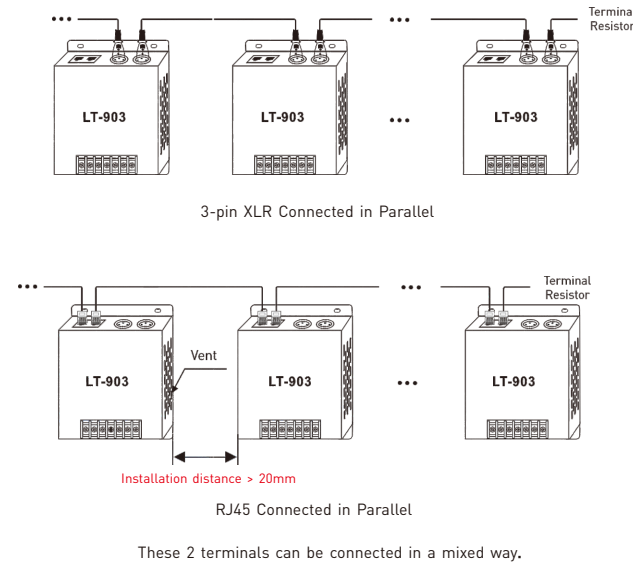
#### 2. DMX console connection:



LT-903 is equipped with 2 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for RJ45.

- \* 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 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.