

LTECH

DMX512 DECODER

LT-903



8 bit / 16 bit

2 kinds of DMX interfaces

Short circuit /overheat /over current protection



Photoelectric
isolation



www.ltech-led.com

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

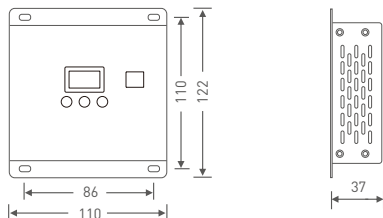
RDM

Short circuit
protectionOverheat
protectionOver current
protection

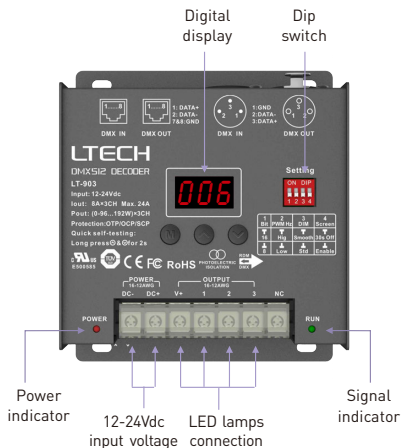
Technical specs

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



- 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 "▲" "▼" key to adjust value.



3-pin XLR
DMX/RDM
input & output

RJ45
DMX/RDM
input & output

Dip switch

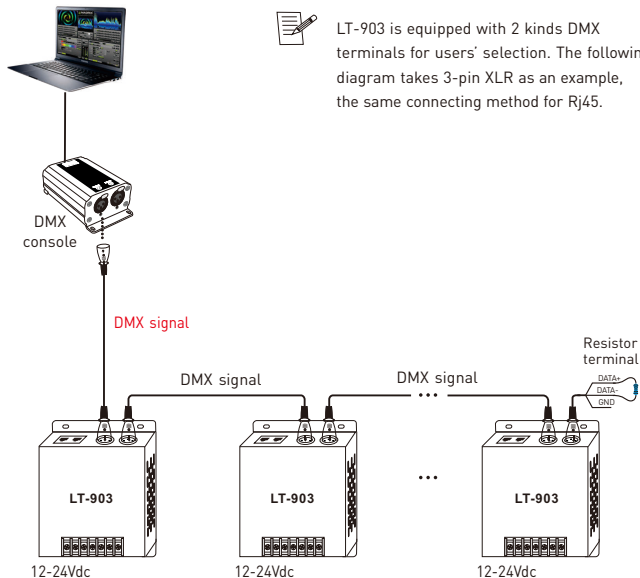


1 Bit	2 PWM Hz	3 DIM	4 Screen
16	High	Smooth	30S off
8	Low	Standard	Enable

1 Connecting LED lights:

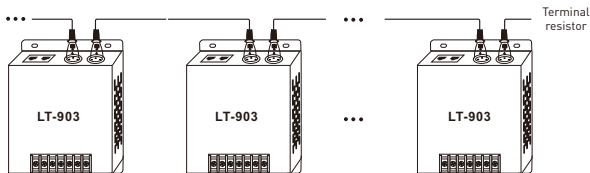


2. DMX console connection:

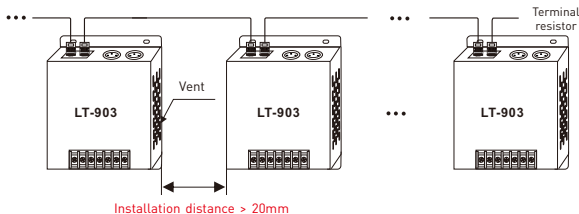


- * An amplifier is needed if more than 32 decoders are connected or use overlong signal line, signal amplification should not be more than 5 times continuously.
- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at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

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



3-pin XLR connected in parallel



Rj45 connected in parallel

These 2 terminals can be connected in a mixed way.

*** 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.

LTECH 雷特

DMX512 DECODER

LT-903

3
CHANNELS

8 bit / 16 bit

2种DMX接口

短路、过温、过流保护



光电隔离



www.ltech.cn

产品介绍

- 1、本产品共有3个通道输出，每通道最大8A电流，总功率可高达 576W。
- 2、使用数码管和轻触按键设置地址，操作简单快捷。
- 3、提供3针XLR、RJ45两种具有光电信号隔离功能的DMX接口，提高信号传输效率和抗干扰能力。
- 4、具有RDM远程管理协议，通过RDM主控可对其进行参数浏览与设置、DMX地址修改、设备识别等操作。
- 5、具有短路、过温、过流自动保护与恢复功能，并有故障警示提示功能。
- 6、快速自测功能。
- 7、PWM频率可选高频/低频。
- 8、16bit (65536级) /8bit (256级) 灰度级可选。



光电隔离



3针XLR



RJ45



RDM



短路保护



过温保护



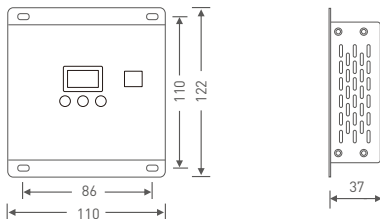
过流保护



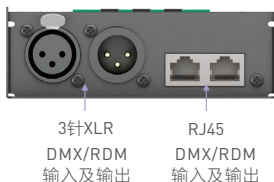
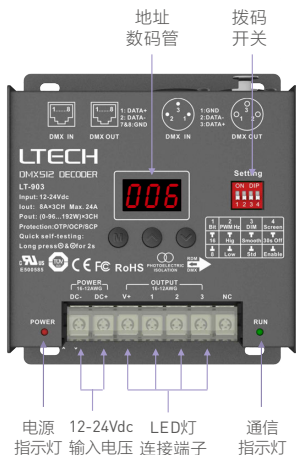
性能参数

- 产品型号： LT-903
- 输入信号： DMX512/RDM
- DMX接口： 3针XLR, RJ45
- 输入电压： 12- 24Vdc
- 负载电流： 8A×3路 Max. 24A
- 输出功率： [0~96W...192W]×3路 Max. 576W
- 灰度等级： 8bit(256级)/16bit(65536级)可选
- 光电隔离： 有
- 保护： 短路、过温、过流保护，可自动恢复
- 工作温度： -30℃~65℃
- 产品尺寸： L122×W110×H37mm
- 包装尺寸： L127×W123×H41mm
- 重量(毛重)： 550g

单位: mm



部件图:



地址数码管



- 数码管无人使用15秒将进入锁定状态
- 长按“M”键解锁
- 短按“M”键切换至另一数字
- 按“^”“V”键调整数值

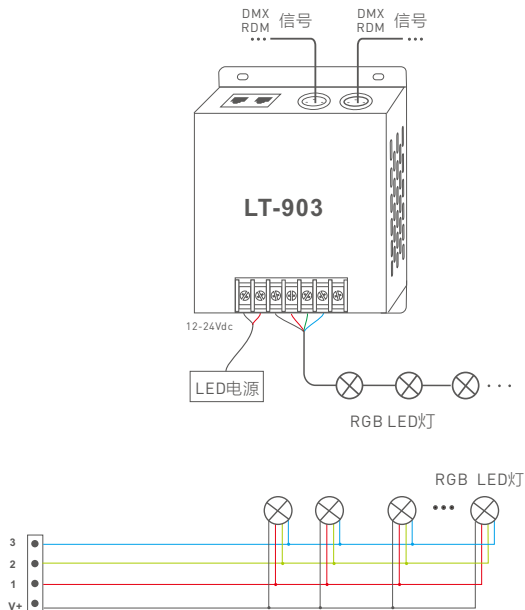
拨码开关



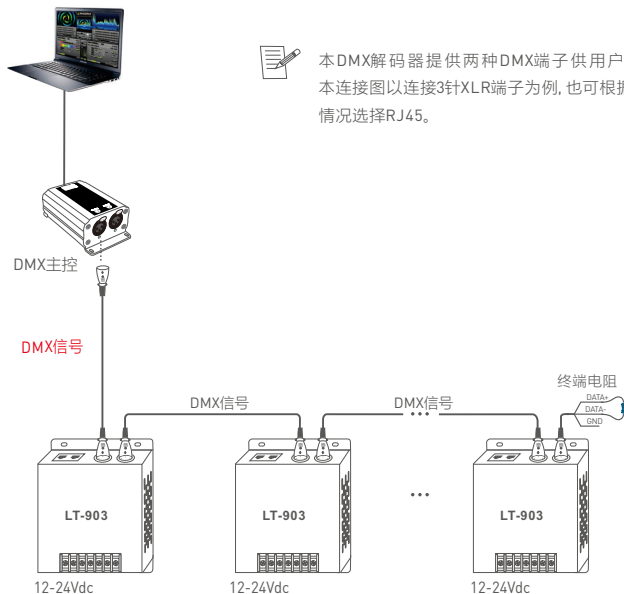
1	2	3	4
灰度级	PWM Hz	调光	显示
16	高	平滑	30秒后关
8	低	标准	开

连接示意图:

1. 连接LED灯

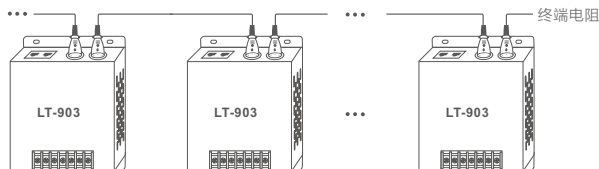


2. DMX系统连接

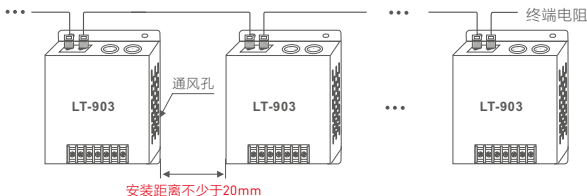


- * 当DMX解码器过多(超过32台)或信号线过长, 需加信号放大器, 信号放大不能连续超过5次。
- * 当信号线较长或者线材质量等原因造成信号反冲效应影响使用, 可以尝试在每路信号线末端连接0.25W 90-120Ω终端电阻解决。

3. 两种DMX端口的连接示意图



3针XLR并联连接



以上两种方式可以任意混合连接

*** 安装注意事项：**请在解码器与解码器之间预留通风距离（最少20mm），切勿堵塞通风孔，否则会因设备散热不畅影响使用寿命。

*** 本说明书的内容如有变更，恕不另行通知。**
若内容与您使用的功能有所不同，则以实物为准。
如有疑问，请与供应商联系。