

LTECH

DMX512 DECODER

LT-904



8 bit / 16 bit

2 kinds of DMX interfaces

Short circuit / Over current / Overheat protection

CALUS
E500585



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 & settings, DMX address settings, equipment recognition, etc.
5. With short circuit, over current and overheat protection, as well as warning function when a fault occurs.
6. With fast self-testing function.
7. High/low PWM frequency available.
8. 16bit (65536 levels) / 8bit (256 levels) grey level available.



3-pin XLR



RJ45



Photoelectric
isolation



RDM



Short circuit
protection



Overheat
protection



Over current
protection

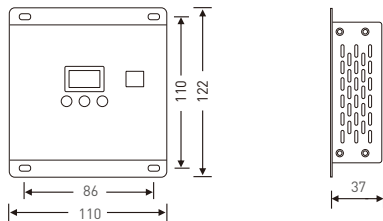


Technical specs

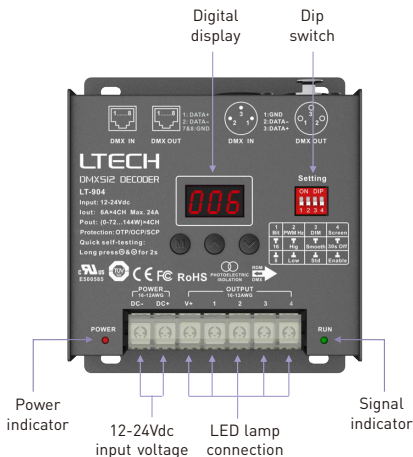
Model:	LT-904
Input signal:	DMX512/RDM
DMX interfaces:	3-pin XLR, RJ45
Input voltage:	12~24Vdc
Current load:	6A × 4CH Max. 24A
Output power:	(0~72W...144W) × 4CH Max. 576W
Grey level:	8bit (256 levels) / 16bit (65536 levels)
Photoelectric isolation:	Yes
Protection:	Short circuit / Overheat / Over current protection, recover automatically.
Working temperature:	-30°C~65°C
Dimensions:	122×110×37mm(L×W×H)
Package size:	127×123×41mm(L×W×H)
Weight (G.W.):	550g

Product size

Unit: mm



Main component description



Digital display



M ^ v

- 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 "^" "v" key to adjust value.



3-pin XLR
DMX/RDM
input & output

RJ45
DMX/RDM
input & output

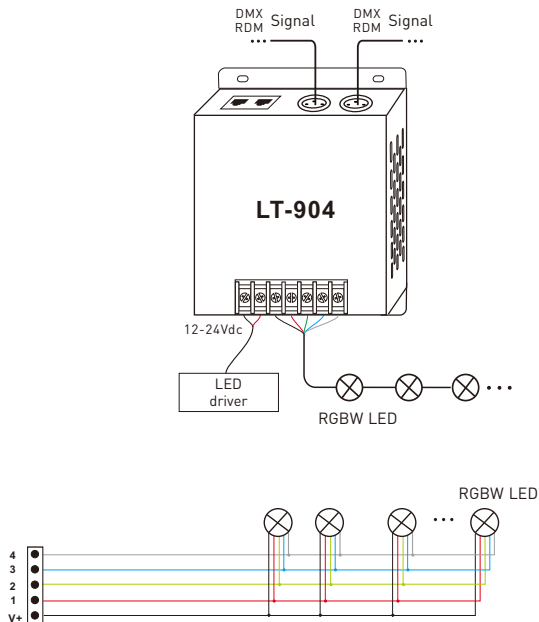
Dip switch



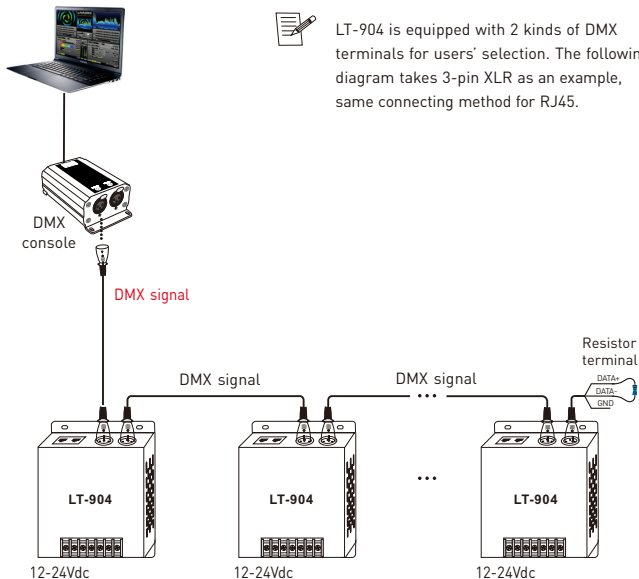
1 Bit	2 PWM Hz	3 DIM	4 Screen
16	High	Smooth	30S off
8	Low	Std	Enable

Wiring diagram

1. Connecting LED lights:

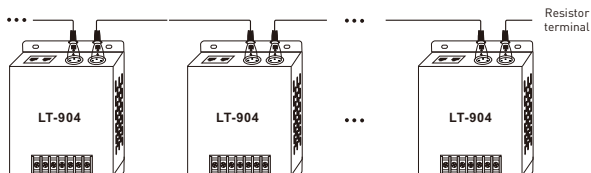


2. DMX console connection:

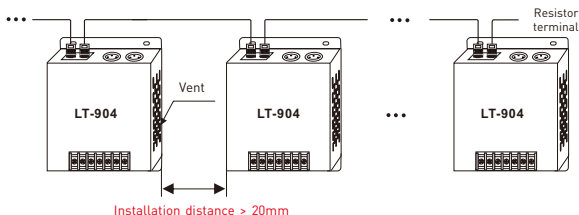


- * An amplifier is needed if more than 32 decoders are connected or use overlong signal line, signal amplification should not be more than 5 times continuously.
- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at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

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



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 (>20mm), be sure not to block the vent, or it will affect lifetime of decoder for poor heat dissipation.

Attentions

1. Products shall be installed by qualified professionals.
 2. LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
 3. Good heat dissipation will extend the working life of products. Please ensure good ventilation.
 4. Please check if the working voltage used complies with the parameter requirements of products.
 5. The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
 6. Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
 7. If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.
- * This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty agreement

Warranty periods from the date of delivery : 5 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
 - Any artificial damage caused by high voltage, overload, or improper operations.
 - Products with severe physical damage.
 - Damage caused by natural disasters and force majeure.
 - Warranty labels and barcodes have been damaged.
 - No any contract signed by LTECH.
1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
 2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

LTECH 雷特

DMX512 DECODER

LT-904



8 bit / 16 bit

2种DMX接口

短路、过温、过流保护

UL[®]
C E500585



www.ltech.cn

产品介绍

- 1、本产品共有4个通道输出，每通道最大6A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



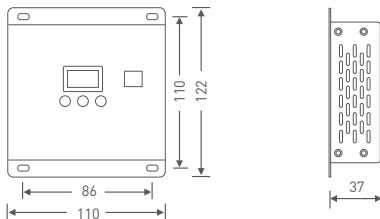
〔质保5年〕

性能参数

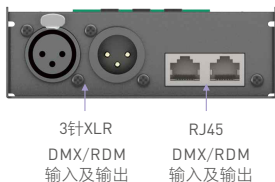
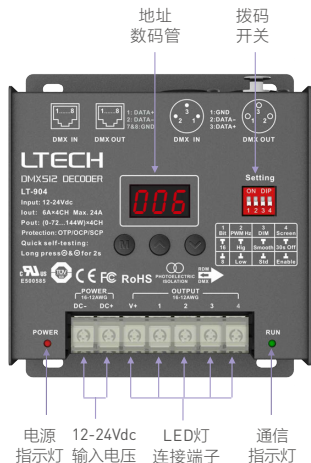
- 产品型号： LT-904
- 输入信号： DMX512/RDM
- DMX接口： 3针XLR, RJ45
- 输入电压： 12- 24Vdc
- 负载电流： 6A×4路 Max. 24A
- 输出功率： [0~72W...144W]×4路 Max. 576W
- 灰度等级： 8bit(256级)/16bit(65536级)可选
- 光电隔离： 有
- 保护： 短路、过温、过流保护，可自动恢复
- 工作温度： -30°C ~65°C
- 产品尺寸： L122×W110×H37mm
- 包装尺寸： L127×W123×H41mm
- 重量(毛重)： 550g

产品尺寸

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

M ^ V

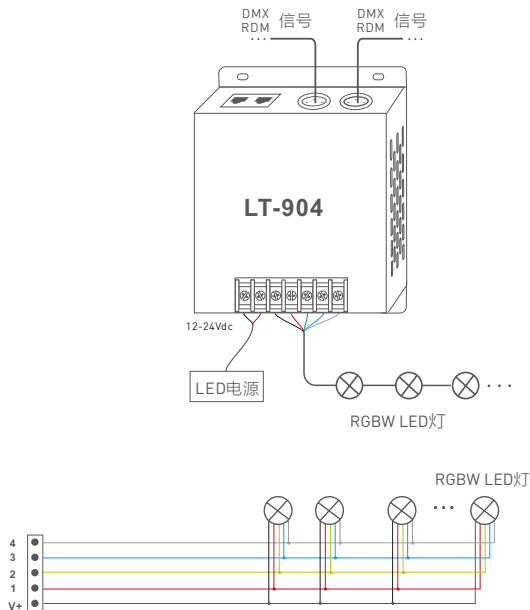
拨码开关



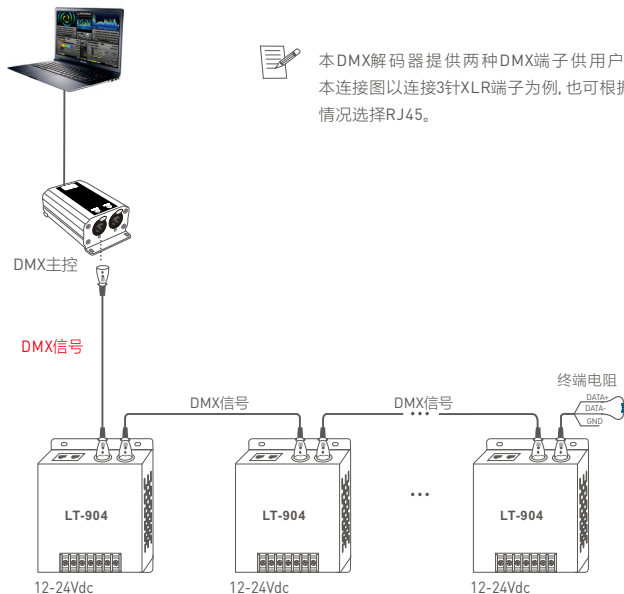
1	2	3	4
灰度级	PWM Hz	调光	显示
16	高	平滑	30秒后关
8	低	标准	开

连接示意图

1、连接LED灯



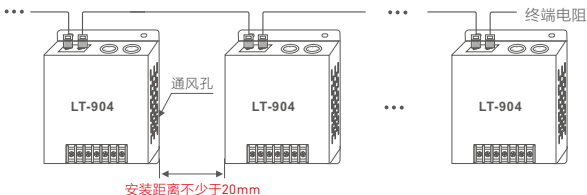
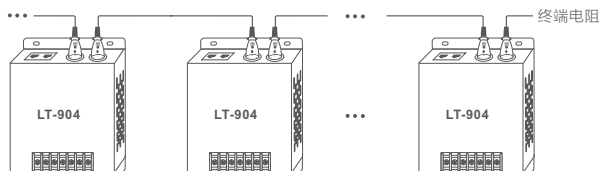
2、DMX系统连接



本DMX解码器提供两种DMX端子供用户选择, 本连接图以连接3针XLR端子为例, 也可根据实际情况选择RJ45。

- * 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



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。

注意事项

- 1、请由具有专业资格的人员进行调试安装。
 - 2、雷特产品（专有型号除外）不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。
 - 3、良好的散热条件会延长产品的使用寿命，请把产品安装在通风良好的环境。
 - 4、请检查使用的工作电压是否符合产品的参数要求。
 - 5、使用的电线直径大小必须能够负载连接的LED灯具，并确保接线牢固。
 - 6、通电调试前，应确保所有接线正确，以避免因接线错误而导致灯具损坏。
 - 7、如果发生故障，请勿私自维修；如有疑问，请联系供应商。
- * 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，欢迎向我司授权的经销商咨询。

保修条例

- 自出厂之日起保修服务期为5年。
- 在保修服务期内出现产品质量问题雷特将给予免费修理或更换服务。

非保修条例:

属下列情况不在免费保修或更换服务范围之内:

- 已经超出保修服务期;
 - 过高电压、超负载、操作不当等人为造成的损坏;
 - 产品外形严重损坏或变形;
 - 自然灾害以及人力不可抗拒原因造成的损坏;
 - 产品保修标签和产品唯一条形码损坏;
 - 无雷特签订的合同或发票凭证。
1. 修理或更换是雷特对客户的最唯一补救措施。雷特不承担任何附带引起的损害赔偿，除非在适用法律范围之内。
 2. 雷特享有修正或调整本保修条款的权利，并以书面形式发布为准。