

DMX/RDM CC Decoder



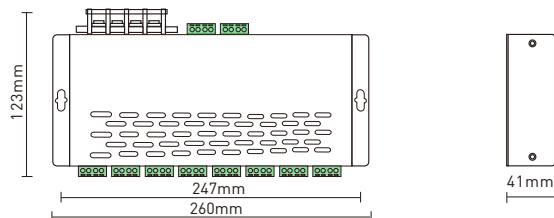
LT-880-350/LT-880-700 with the standard RDM remote device management protocol, supports DMX512 signal bi-directional communication, achieves remote management of reading and writing DMX address [DMX master controller must recognize the RDM protocol].

This compact decoder works with DMX512 console. Realize 0-100% brightness and various changing effect. Equipped with DMX standard 3-pin XLR, RJ45 and green terminal interface, easy to operate. And it can control single color, bi-color, RGB LED lights.

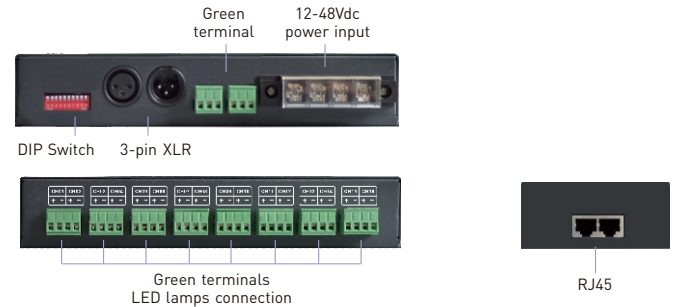
1. Product parameter:

Model	LT-880-350	LT-880-700
Input signal	DMX512/RDM	
Input voltage	12-48Vdc	
Output voltage	3-46Vdc	
Output current	CC 350mA×16CH	CC 700mA×16CH
Output power	1.05-16.1W×16CH Max. 257.6W	2.1-32.2W×16CH Max. 515.2W
Photoelectric isolate	Yes	
DMX512 socket	3-pin XLR, RJ45, Green terminal	
Working temp.	-30°C~65°C	
Dimension	L260×W123×H41mm	
Package size	L276×W128×H46mm	
Weight[G.W.]	950g	

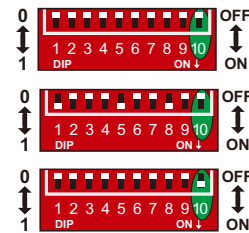
2. Product size:



3. Configuration diagram:



4. Dip switch operation:



RDM mode: The dip switch 1-10 are OFF.

DMX mode: FUN = OFF (the 10th dip switch = OFF)
Setting DMX addresses with dip switch 1-9

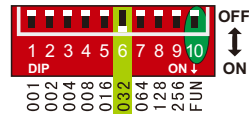
Self-testing mode: FUN = ON (the 10th dip switch = ON)

4.1 How to set DMX address via dip switch:

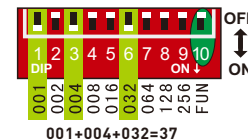
FUN=OFF (the 10th dip switch = OFF) **DMX mode**

DMX address value = the total value of [1-9], to get the place value when in "ON" position, otherwise will be 0.

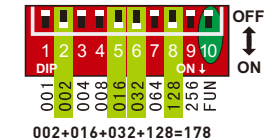
E.g.1: Set initial address to 32.



E.g.2: Set initial address to 37.

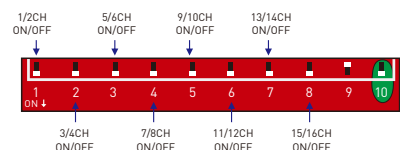


E.g.3: Set initial address to 178.

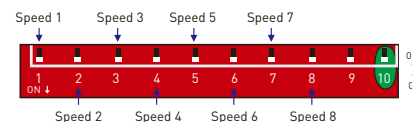


4.2 Self-testing mode:

FUN=ON (the 10th dip switch = ON) **Self-testing mode**



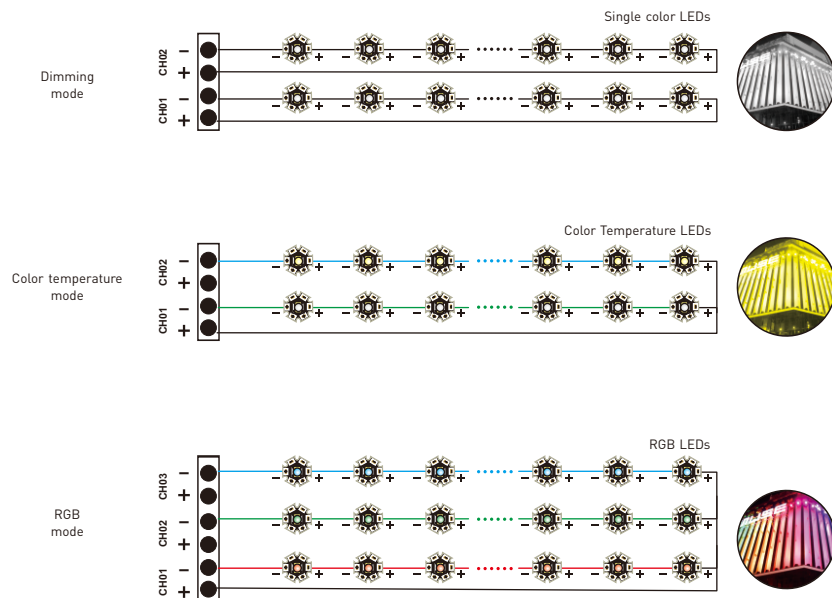
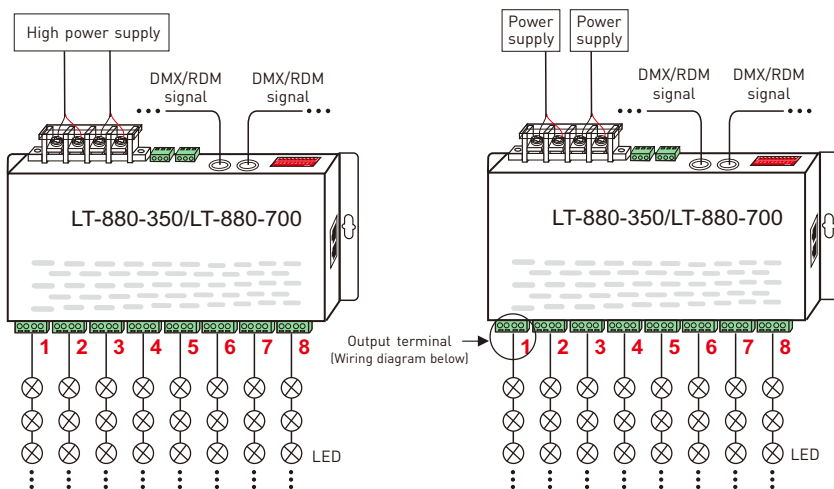
When Dip switch 9 = off, Dip switch 1-8 is to turn on/off 16 channels.



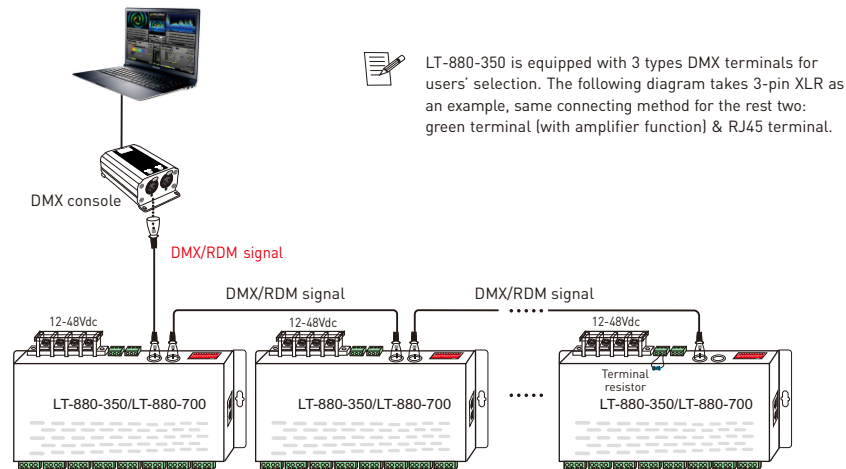
When Dip switch 9 = on, Dip switch 1-8 is to realize 8 speed levels (8=on, the fastest level).
Channel 1 light up gradually then dark down; channel 2 light up gradually then dark down.....every channel changes in this way until channel 16 light up then dark down.

5. Wiring diagram:

5.1 Connecting LED lights:

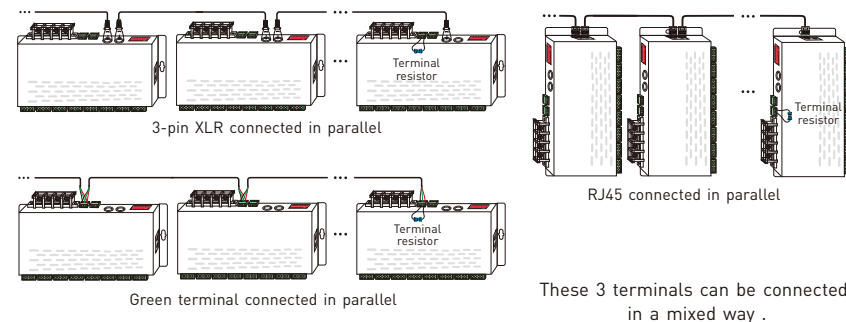


5.2 DMX console connection:

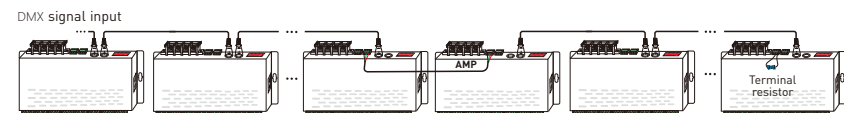


- * If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.
- * An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

5.3 The connection diagram of three DMX terminals:



5.4 The connection diagram of AMP signal amplifier terminal:



- * AMP interface can be used for signal amplification when too many DMX decoder are connected or signal line is too long, signal amplification should be no more than 5 times continuously.

DMX/RDM恒流解码器



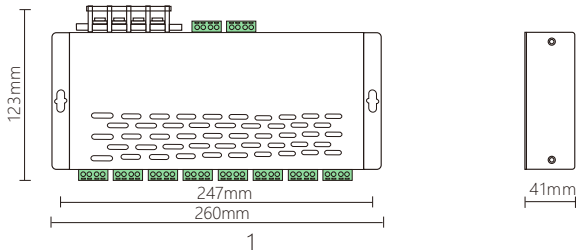
DMX/RDM恒流解码器加入标准的RDM远程设备管理协议，支持DMX512信号双向通讯，可以实现远程读取/写入DMX地址等管理功能（DMX主控需支持RDM协议），

DMX/RDM恒流解码器接受DMX512数码控制台控制。实现0~100%调光或各种变化效果；提供XLR-3, RJ45, 绿色端子 3种DMX信号接口选择，方便客户安装使用；可控制单色、双色、RGB的LED灯具。

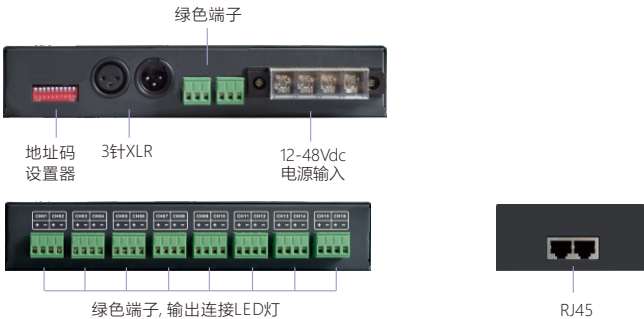
一 性能参数:

型号	LT-880-350	LT-880-700
输入信号	DMX512, RDM	
输入电压	12~48Vdc	
输出电压	3~46Vdc	
输出电流	350mA×16路	700mA×16路
输出功率	1.05~16.1W×16路 Max. 257.6W	2.1W~32.2W×16路 Max. 515.2W
光电隔离	有	
DMX512插口	3针XLR, RJ45, 绿色端子	
工作温度	-30℃~65℃	
产品尺寸	L260×W123×H41(mm)	
包装尺寸	L270×W128×H46(mm)	
重量 (毛重)	950g	

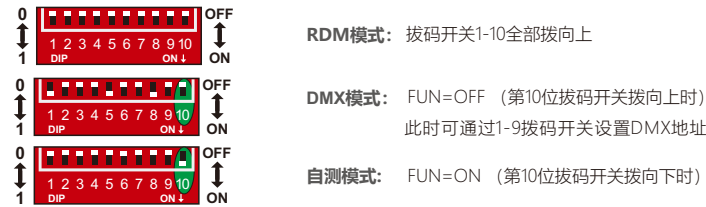
二 尺寸图:



三 配置图:

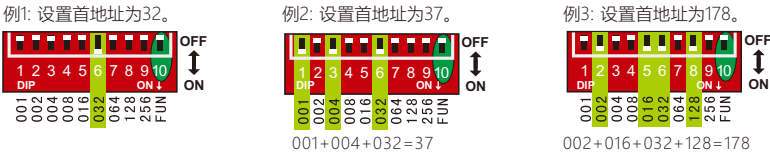


四. DMX 首地址设置:

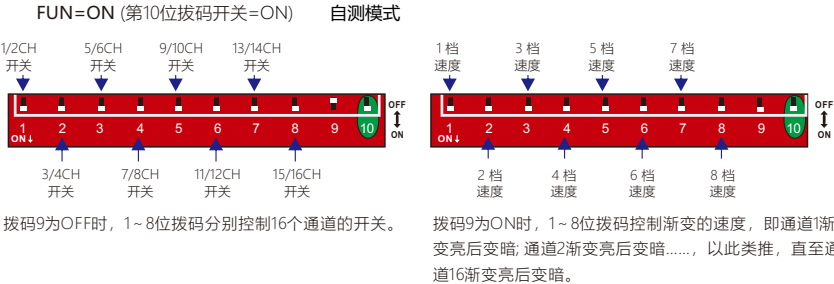


4.1 用拨码开关设置首地址:

FUN=OFF (第10位拨码开关 = OFF) DMX模式
DMX512起始地址码 = 编码开关1-9位的位值总和, 将编码开关拨向下 (ON置“1”), 可获得该位的位值; 编码开关拨向上 (置“0”), 则该位的位值为0。

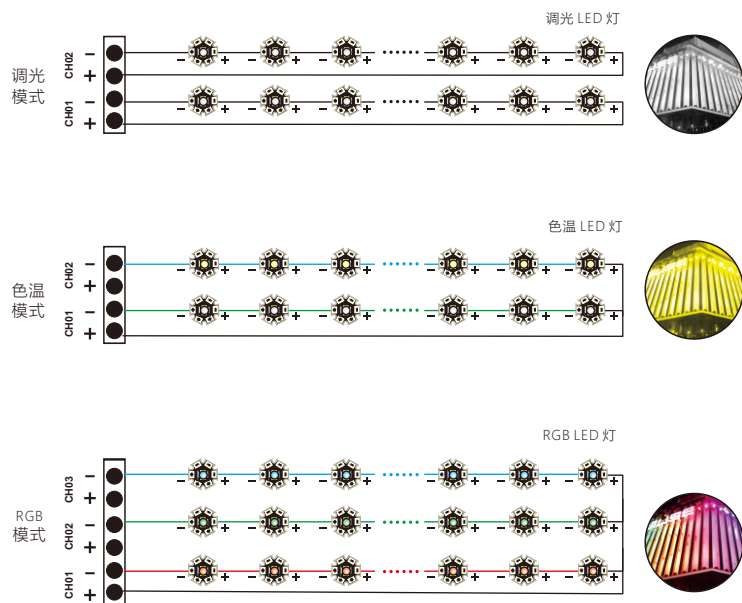
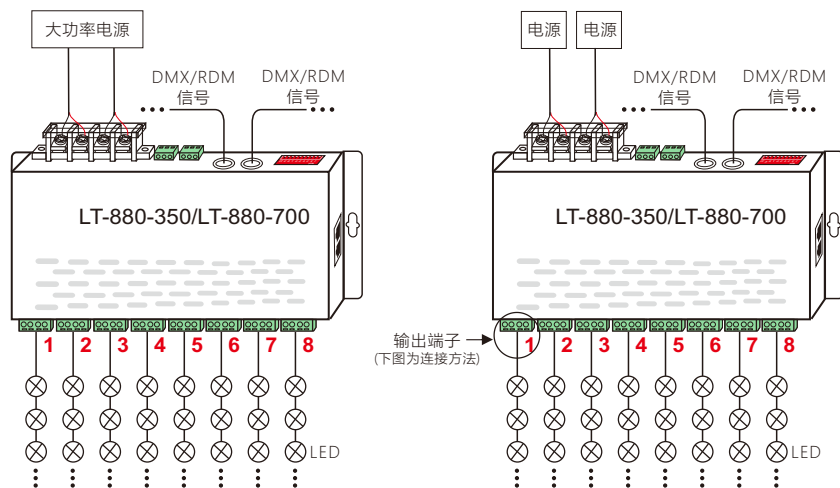


4.2. 测试功能使用说明:

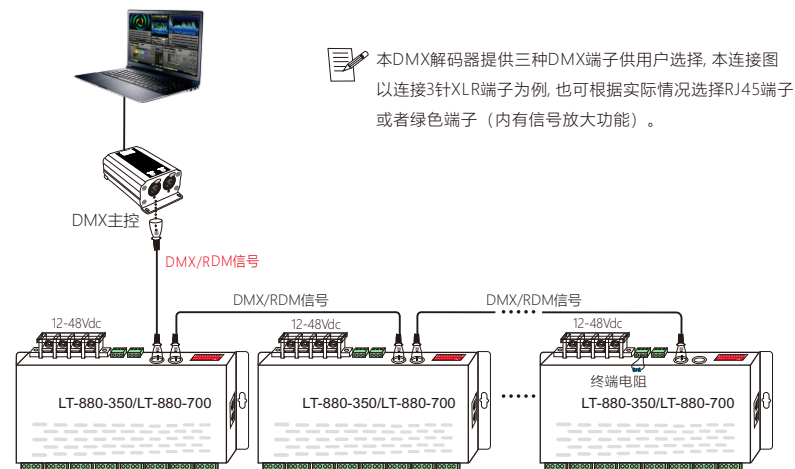


五 连接示意图:

5.1.连接LED灯

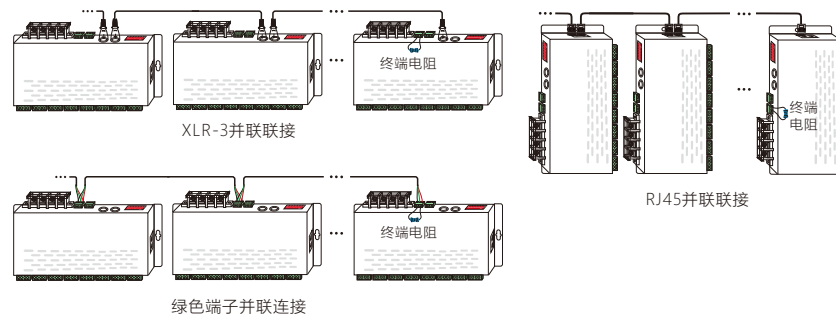


5.2 DMX系统连接



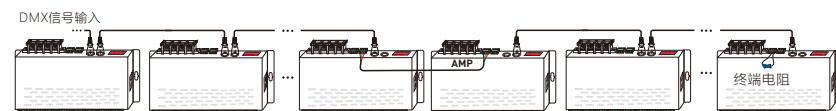
- * 超过32台DMX解码器连接需加信号放大器，信号放大不能连续超过5次。
- * 当信号线较长或者线材质量等原因造成信号反冲效应影响使用，可以尝试在每路信号线末端连接0.25W 90-120Ω终端电阻去解决。

5.3 三种DMX端口的连接示意图



以上三种方式可以任意混合连接

5.4 AMP信号放大端子连接图



- * 当DMX解码器过多,或信号线过长,可用AMP接口放大信号,连续放大次数请勿超过5次