

LT-123 DMX(485) Signal Amplifier



FC CE RoHS

warranty
5 years



LT-123 is dedicated to amplify, distribute, and insulate the signal that comes from the lighting system equipment when it is connected to the bus of DMX512 (or RS-485).

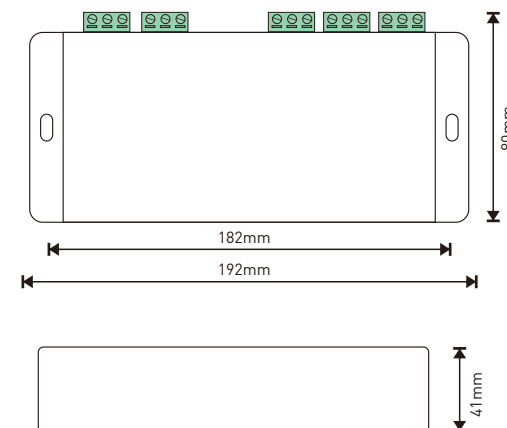
1. It's specially designed for signal shaping amplification for DMX512 (485) signal which attenuated after a long-distance transmission, realize extending the signal transmission distance;
2. Need to use the multiple signals expansion output control, increase DMX (485) signal amplifier to distribute multi-channel control.
3. 1 channel input, 3 channels distributed output, there is a independently photoelectricity insulation of >3KV between input and output terminals, and output terminals among 3 channels, so as to avoid the expensive equipment such as light, 485 communications equipment, DMX driver, precise digital lighting controller, being burnt by the possible high voltage which caused from the wrong wire connection and a broken equipment, also can avoid the signal interference between each DMX equipment, to assure it works safely.

1. Product Parameter:

LT-123

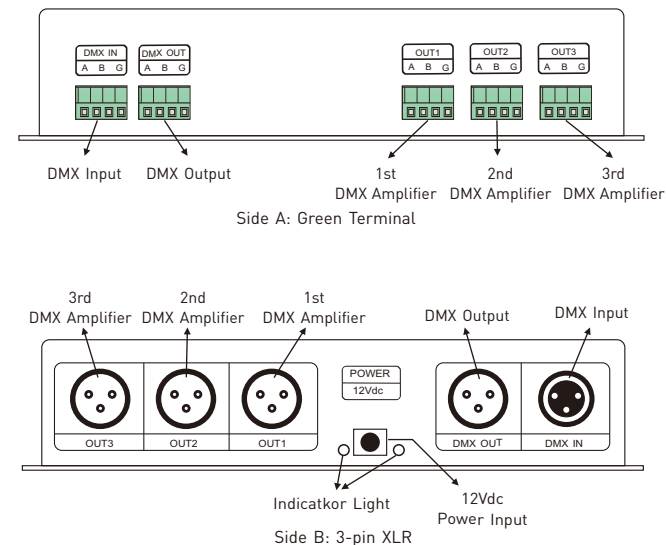
Input Voltage:	12Vdc(with an adapter to convert 100-240Vac to 12Vdc)
Input DMX Signal:	1CH DMX (485) Signal Input (photoelectricity isolation>3kv)
Output DMX Signal:	3CH DMX (485) Signal Output (photoelectricity isolation>3kv)
DMX512 Socket:	3-pin XLR, Green Terminal
Working Temperature:	-30°C~65°C
Dimension:	L192×W80×H41mm
Package Size:	L270×W90×H46mm
Weight[G.W.]:	620g

2. Product Size:



3. Configuration Diagram:

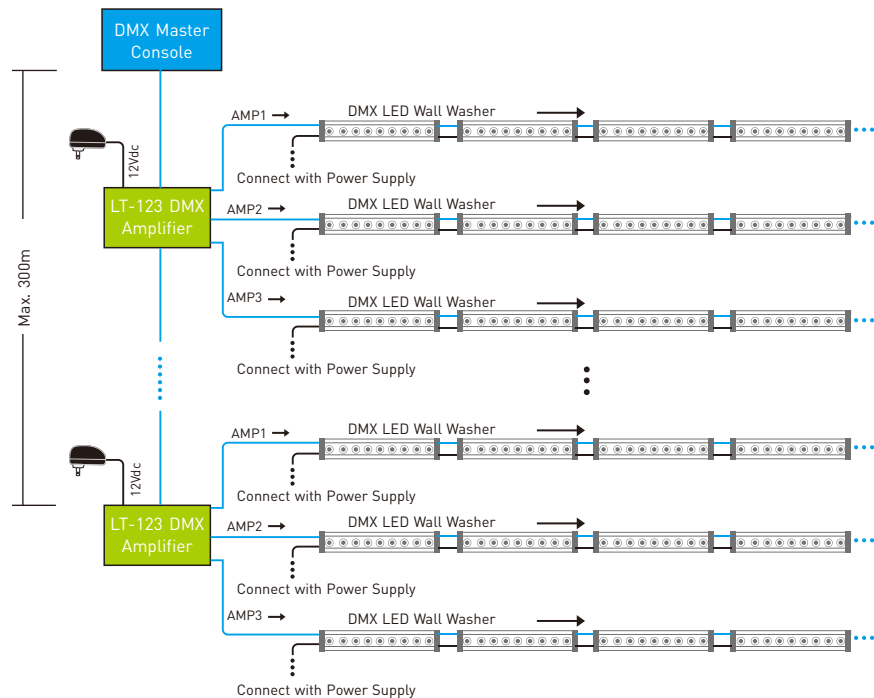
Provides two signal terminals to select:



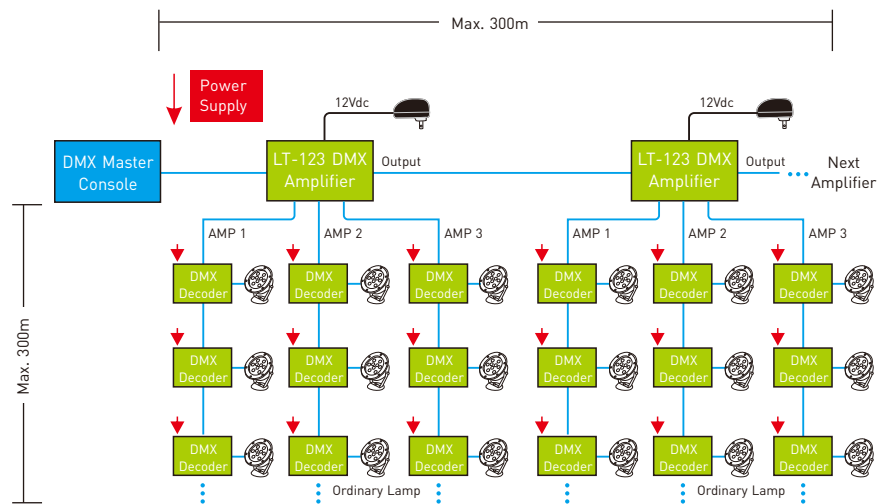
4. Wiring Diagram:

DMX (485) signal amplifier can isolate, amplify and distribute the signal to all kinds of DMX (485) control equipment, see the example for the DMX Lighting.

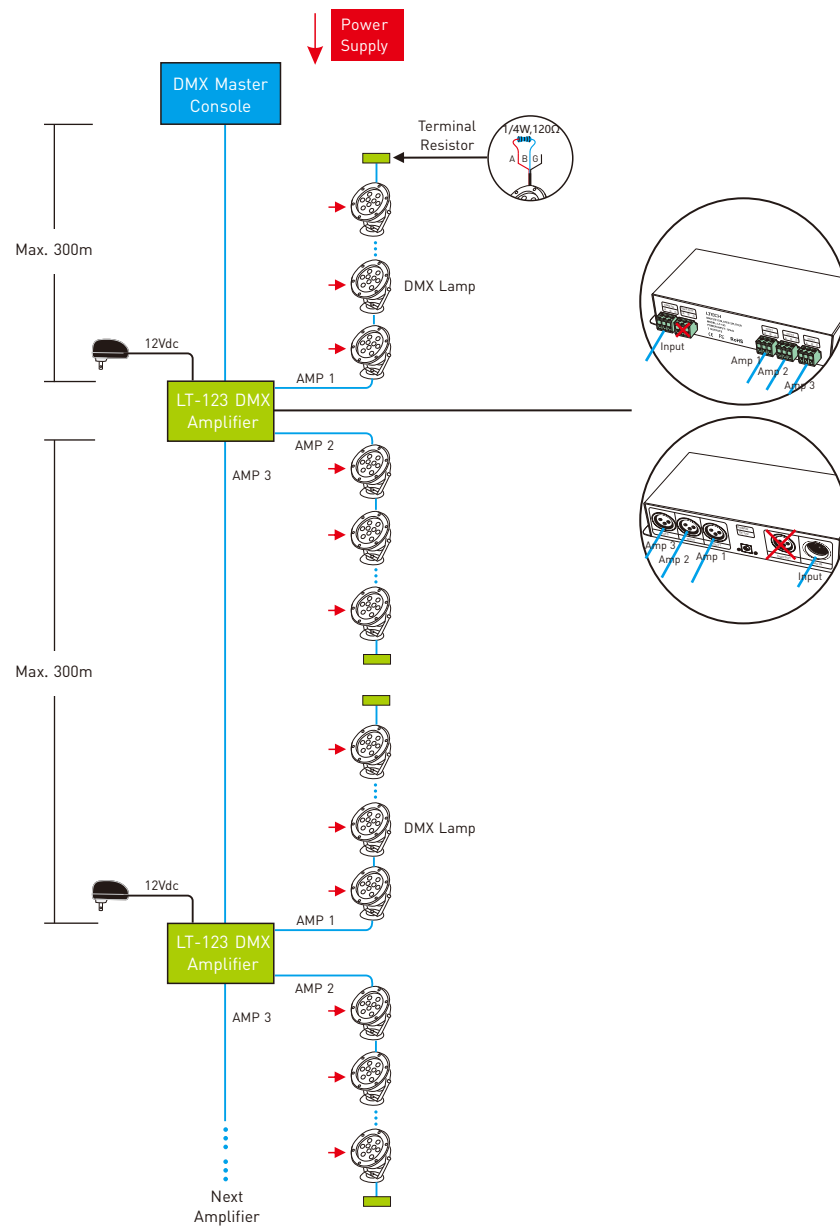
4.1. Example: Signal distribution for master console & DMX lamps:



4.2. Example: Signal distribution for master console & decoder & DMX lamps:



4.3 Example: Connection for signal amplifier in long distance:



LT-123
DMX(485)信号放大器



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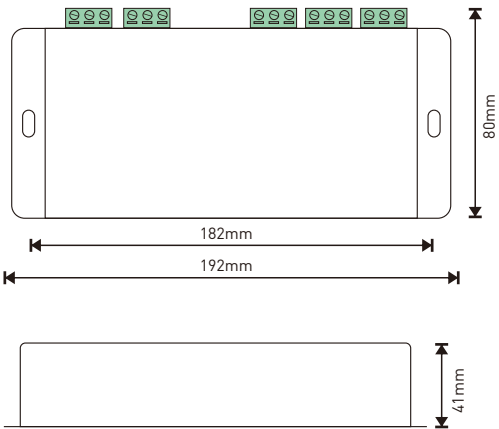
LT-123专门用于对DMX512总线 (或者RS-485)连接灯光系统设备的信号放大、分配及隔离。

- 1. 经远距离传输或者并接多个设备后, 对DMX (485) 衰减的信号进行整形放大处理, 具有延长信号传输距离的作用;
- 2. 需要用到多路信号扩容分支输出控制, 增加DMX (485) 信号放大器分配多路控制;
- 3. 1路输入, 3路分配输出, 输入输出端之间, 3路输出端之间均独立光电隔离> 3KV, 因此可以避免因接错线或者某个设备出现故障时可能产生的高电压烧毁灯具、485通信设备、DMX驱动器、精密数字式灯光控制台等贵重设备, 也同时避免不同的DMX (485) 设备之间信号干扰的作用, 确保其安全运行。

一 性能参数:

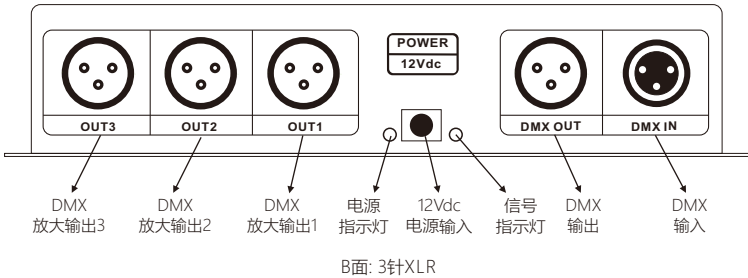
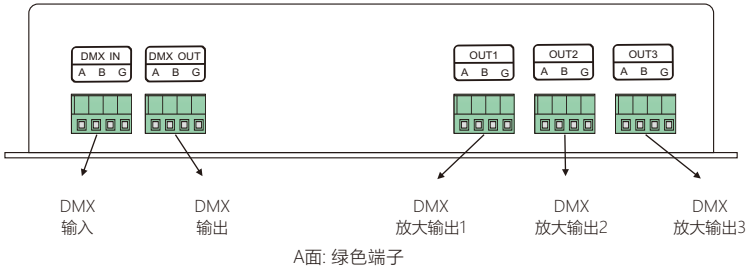
LT-123	
输入电压 :	12Vdc(配套100-240Vac电源适配器)
输入信号 :	1路DMX (485) 信号输入 (光电隔离>3KV)
输出信号 :	3 路DMX (485) 信号输出 (光电隔离>3KV)
DMX512插座 : 3针XLR/绿色端子	
工作温度 :	-30℃~65℃
产品尺寸 :	L192×W80×H41mm
包装尺寸 :	L270×W90×H46mm
重量 (毛重) :	620克

二 尺寸图:



三 结构图:

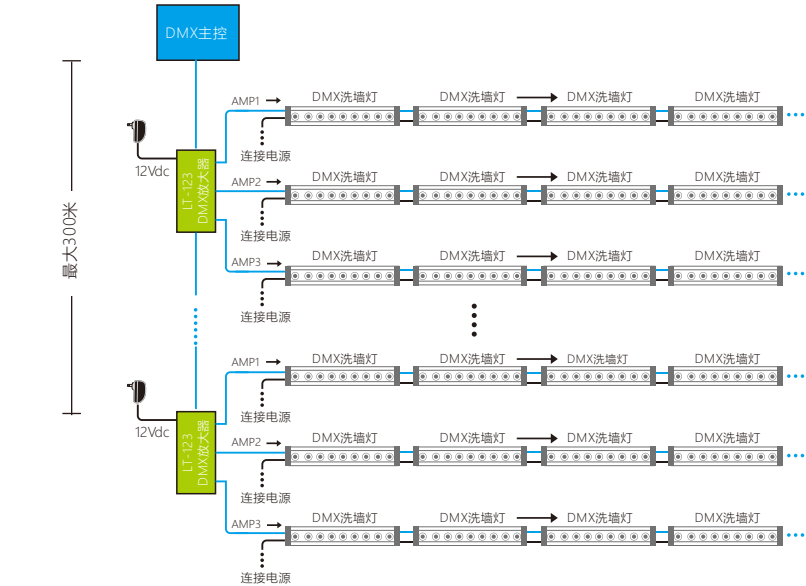
DMX提供两种接线端子选择:



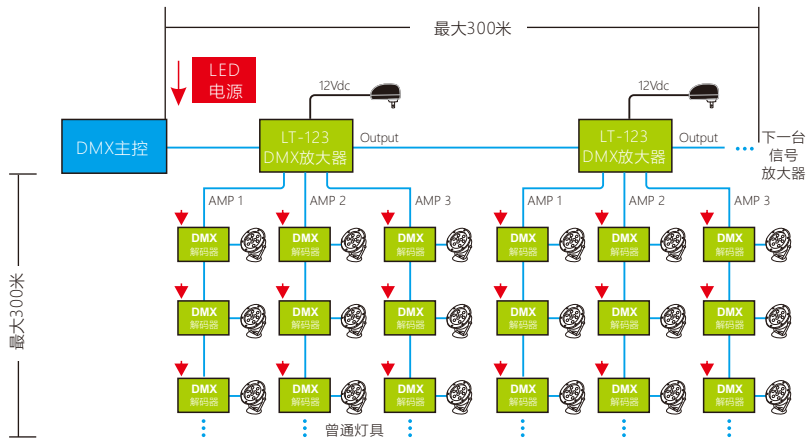
三 连接示意图:

DMX (485) 信号放大器可以对各种DMX (485) 控制设备进行信号隔离、信号放大、信号分配，下面主要以DMX灯具连接为例。

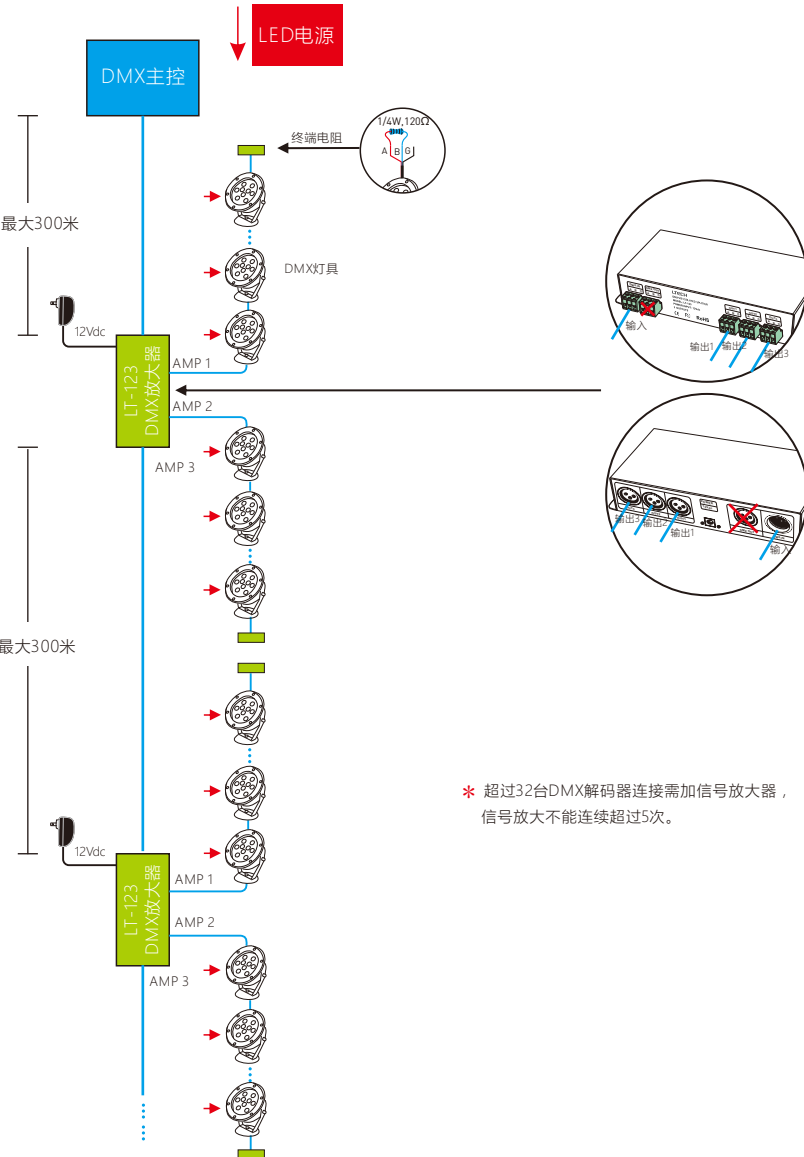
3.1 主控+DMX灯具信号分配示例:



3.2 主控+解码器+普通灯具信号分配示例:



3.3 长距离连接信号放大示例



* 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。