

LT-811-12A 16bit DMX/RDM CV Decoder



LT-811-12A 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]. Designed for LED dimming, produce great lighting effects, can be worked with any brand of DMX dimmer, outstanding performance with following features:

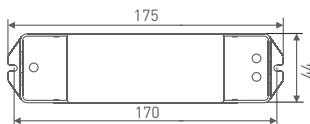
- OLED real-time display.
- 16bit / 8bit input.
- 3 dimming curve optional.
- Short circuit / Over current / Over-heat protection.
- Built-in protection circuit of resistance to lightning stroke and ESD static electricity.

1. Product Parameter:

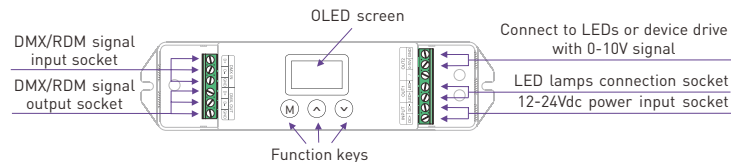
LT-811-12A 16bit DMX CV Decoder

Input Signal:	DMX512, RDM	Protection:	Short circuit / Over current
Input Voltage:	12-24Vdc		Over-heat protection
Output:	12A×1CH+0-10V×1CH	Working Temp.:	-30°C~55°C
Max Output Power:	0~144W...288W	Dimensions:	L175×W44×H30mm
Dimming Range:	0~100%	Package Size:	L178×W48×H33mm
		Weight [G.W.]:	160g

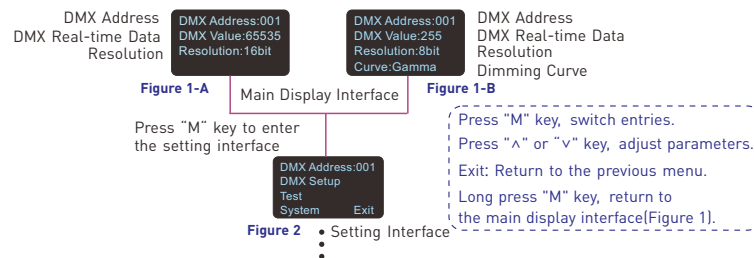
2. Product Size:



3. Parts Figure:



4. OLED Screen Interface Diagram:



Please refer to the OLED display for detailed information.

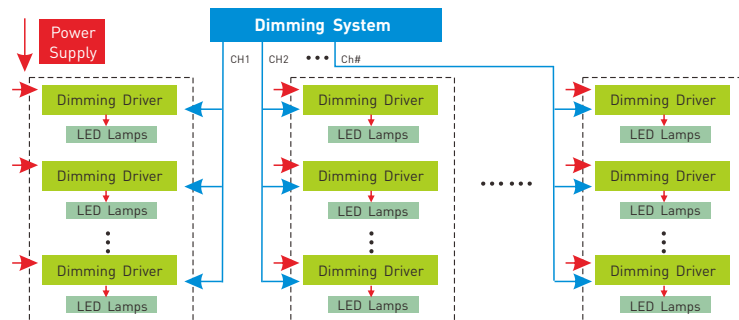
LT-811-12A will run the test scenes only when you enter "self-test" interface.

Screensaver enable time: undo for 2 min in the main display interface (Figure 1).

Restore the default parameters : In the main display interface (Figure 1), Long press "M"/"A"/"V" 3 keys simultaneously, LT-811-12A will restore the default parameters, and the screen display "Device restore default" for 2s, then it will return to the main display interface (Figure 1).

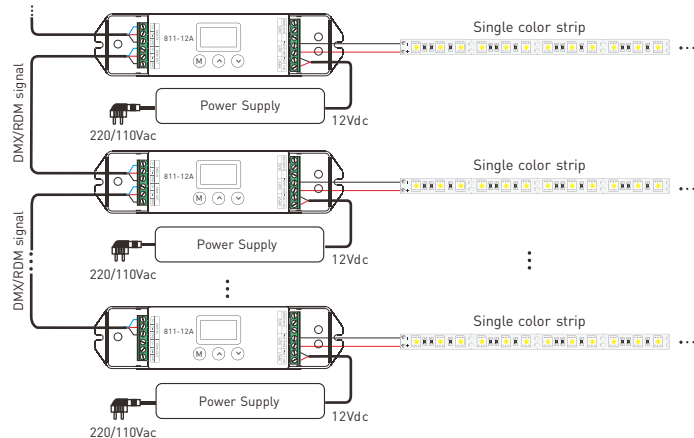
5. Wiring Diagram:

5.1 System Connection Diagram:



5.2 Connected to LEDs:

Connect to
DMX master control



* LED Voltage Chosen:

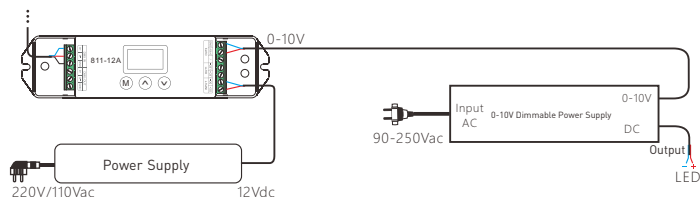
This controller can wire to the LED lamps with a voltage ranges from 12~24Vdc if the input voltage equals output voltage, for example: the lamp with 12V working voltage, please use 12V power supply, the lamp with 24V working voltage, please use 24V power supply.

* LED Power Chosen:

This controller can load a current ranges from 0~12A, a 12V lamp may load a power ranges from 0~144W; a 24V lamp may load a power ranges from 0~288W. The power chosen must be 20% higher than the actual load, for example: you can choose 100W power for the white LED strip (5m) with 72W in one roll. The principle for power chosen: the more the better.

5.3 DMX to 0-10V signal:

Connect to
DMX master control



6. Attention:

- 6.1 The product shall be installed and serviced by the qualified person.
- 6.2 This product is non-waterproof, please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 6.3 Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
- 6.4 Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
- 6.5 Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 6.6 Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6.7 If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

7. Warranty Agreement:

7.1 We provide lifelong technical assistance with this product:

- A 5-year warranty is given from the date of purchase. The warranty is for free repair or replacement if cover manufacturing faults only.
- For faults beyond the 5-year warranty, we reserve the right to charge for time and parts.

7.2 Warranty exclusions below:

- Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
- The product appears to have excessive physical damage.
- Damage due to natural disasters and force majeure.
- Warranty label, fragile label and unique barcode label have been damaged.
- The product has been replaced by a brand new product.

7.3 Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LTECH shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.

7.4 Any amendment or adjustment to this warranty must be approved in writing by LTECH only.

*No further notice if any changes in the manual. Product function depends on the goods.
Please feel free to contact your supplier if any question.

LT-811-12A 16bit恒压DMX/RDM解码器



LT-811-12A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)。专为LED照明调光设计,调光效果更优秀,可兼容任何品牌的DMX调光器控制,性能表现卓越,具有以下特点:

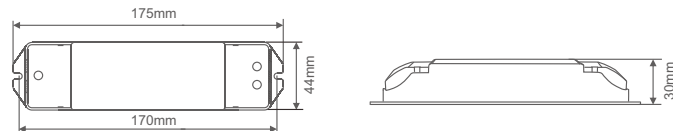
- OLED屏实时显示
- 16bit/8bit输入
- 3种调光曲线选择
- 具有短路、过流、过温保护
- 内置抗雷击及ESD静电保护电路

1、性能参数:

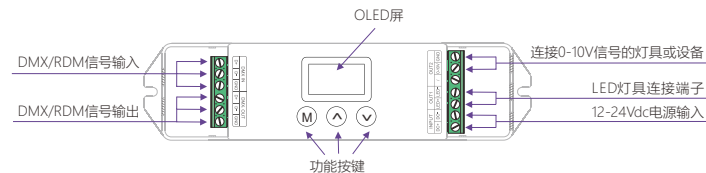
LT-811-12A 恒压DMX/RDM解码器

信号输入:	DMX512, RDM	调光范围:	0~100%
输入电压:	12-24Vdc	保护:	短路、过流、过温保护
输出电压:	12-24Vdc	工作温度:	-30°C~55°C
输出:	12A×1路+0-10V×1路	产品尺寸:	L175×W44×H30mm
输出功率:	0~144W...288W	包装尺寸:	L178×W48×H33mm
		重量(毛重):	160克

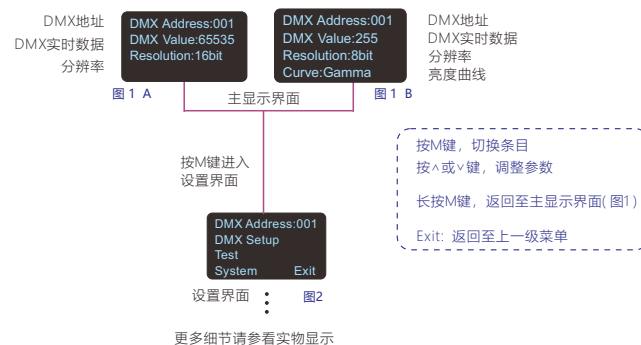
2、产品尺寸:



3、部件图:



4、OLED屏界面关系图:



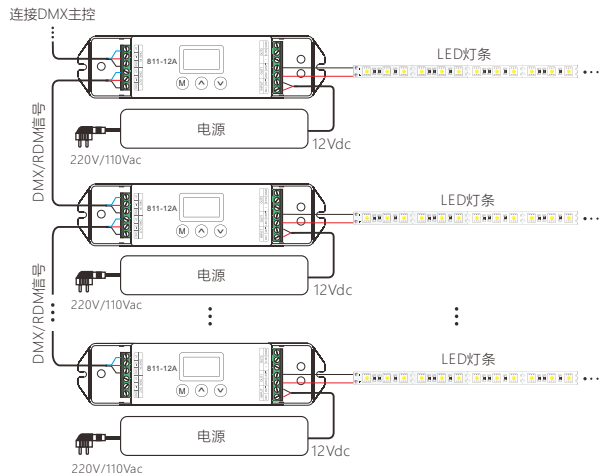
只有进入自测场景界面时,控制器才运行自测场景。

屏保启用时间:在主显示界面下(图1),无操作2分钟后启用屏保。

[恢复默认参数]:主显示界面下(图1),同时长按M/^/v三个键,整机恢复默认参数值,界面显示“Device restore default”,2秒后,进入主显示界面(图1)。

5、接线示意图:

5.1 LED灯具连接图:



* LED电源电压选择:

本控制器可以连接12~24V电压范围的LED灯具，输入电压等于输出电压，例如：

工作电压12V的灯具，请输入12V的电源；

工作电压24V的灯具，请输入24V的电源。

* LED电源功率选择:

本控制器可负载0~12A电流，工作电压12V的灯具，可负载0~144W；

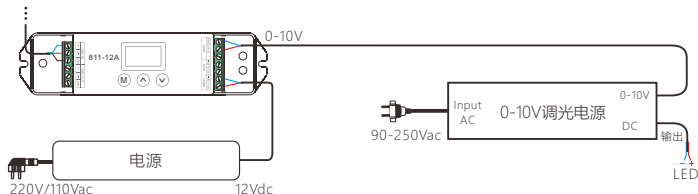
工作电压24V的灯具，可负载0~288W。

LED电源功率选择要比实际负载大20%以上，例如：72W一卷的白光LED软灯带(5m)，可选择100W的LED电源。

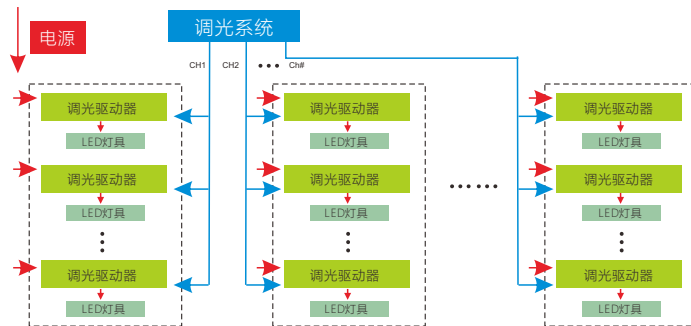
功率选择原则：可大可不可小。

5.2 DMX转0-10V信号:

连接DMX主控



5.3 系统连接图:



6、注意事项:

6.1 本产品请由具有专业资格的人员进行调试安装。

6.2 本产品不能防水，需避免日晒雨淋，如安装在户外，请用防水箱。

6.3 良好的散热条件会延长LED控制器的使用寿命，请把产品安装在通风良好的环境。

6.4 请检查使用的LED电源输出电压是否符合产品电压范围要求。

6.5 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。

6.6 通电调试前，应确保所有接线正确，避免因接线错误而导致灯具损坏。

6.7 如果发生故障，请勿私自维修；如有疑问，请联系供应商。

7、保修协议:

7.1 购买雷特LED控制器产品享受终身技术支持和保修服务：

- 免费保修：自购买之日起五年内出现产品质量问题雷特将给予免费修理或更换服务。
- 有偿保修：超过免费保修期的产品收取适当的维修材料成本费用。

7.2 以下情况不在免费保修或更换服务范围之内：

- 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。
- 产品已经更新换代。

7.3 修理或更换是雷特对客户的唯一补救措施。雷特不承担任何附带引起的损害赔偿任。

7.4 只有雷特享有修正或调整本保修条款的权利，并以书面形式发布认定为。

*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。