LT-844

DMX - 0-10V Dimming Module

LTECH

DMX/RDM
Push Dim

- Dimming interface: DMX/RDM, Push Dim.
- Output Signal: 0-10V.
- With the RDM remote device management protocol.
- Supports DMX512 signal bi-directional communication.
- 4 channels output.
- Built-in relay for ON/OFF control of LED driver.
- Dimming range: 0~100%.
- Full protective plastic housing.
- Compliant with Safety Extra Low Voltage standard.
- Suitable for indoor environments.

SELV

Main Characteristics

Dimming interface:	DMX/RDM, Push Dim
Output Signal:	0-10V × 4CH
Dimming Range:	0~100%
Output Signal Logic:	High potential
Input Voltage Range:	100-240Vac ± 10%
Frequency:	50/60Hz
AC Current(typ.):	0.02A
Inrush Current(typ.):	Cold start 25A@230Vac

Others

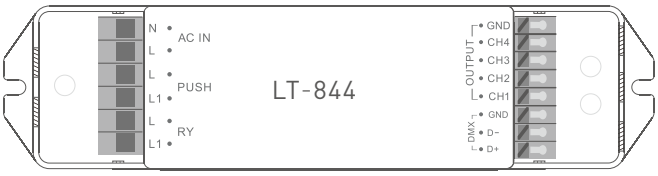
Dimension:	175×44×30mm (L×W×H)
Packing:	178×48×33mm (L×W×H)
Weight(N.W.):	120g±10g

Leakage Current:	<0.5mA/240Vac
Power Consumption:	115Vac@0.8W 230Vac@1.0W
Relay Switch:	240Vac/8A
Working Temperature:	tc: 75°C ta: -30°C ~ 55°C
Working Humidity:	20 ~ 95%RH, non-condensing
Storage Temp., Humidity:	-40 ~ 80°C, 10~95%RH
Vibration:	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.

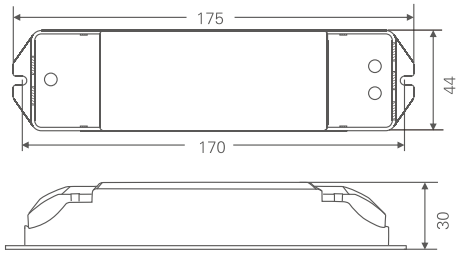
Safety & EMC

Withstand Voltage:	I/P-O/P: 3750Vac
Isolation Resistance:	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
Safety Standards:	IEC/EN61347-1, IEC/EN61347-2-13

Configuration Diagram



Dimensions

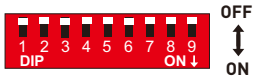


Push Dimming

Reset Switch

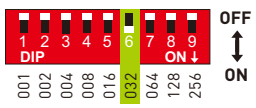
- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the light level goes to the opposite direction.
- Dimming memory: Brightness will be the same as previously adjusted when turning off and on again.

RDM Mode: The dip switch 1-9 are OFF .

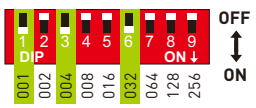


DMX Address Setting:

E.g.1: Set Initial Address To 32.



E.g.2: Set Initial Address To 37.



001+004+032=37

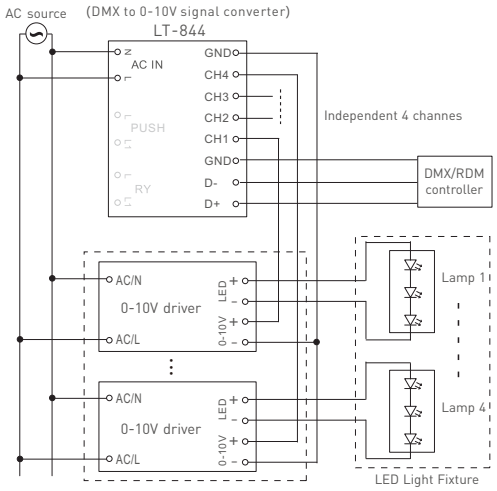
DMX address value = the total value of (1-9)
To get the place value when in "on" position,

Connections

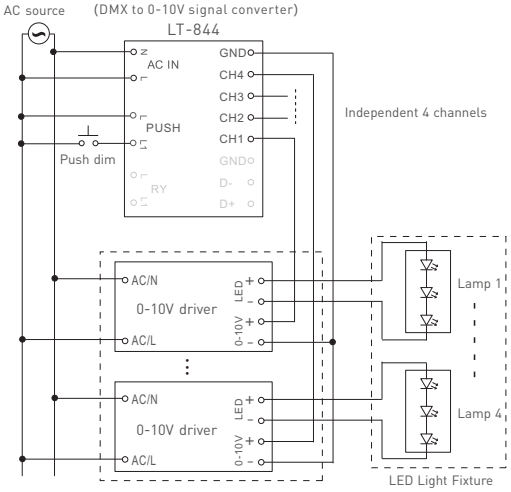
LTECH

DMX/RDM
Push Dim

DMX/RDM Connection

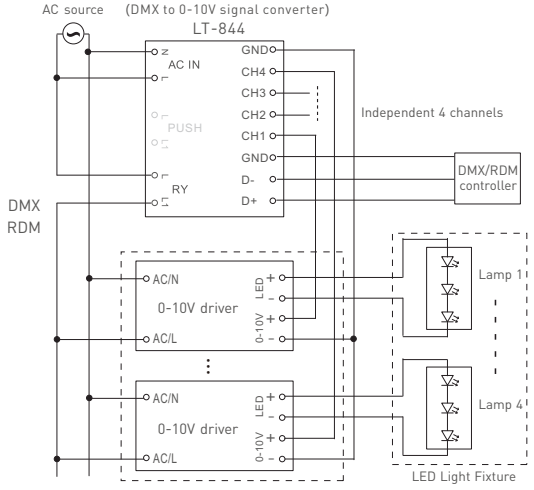


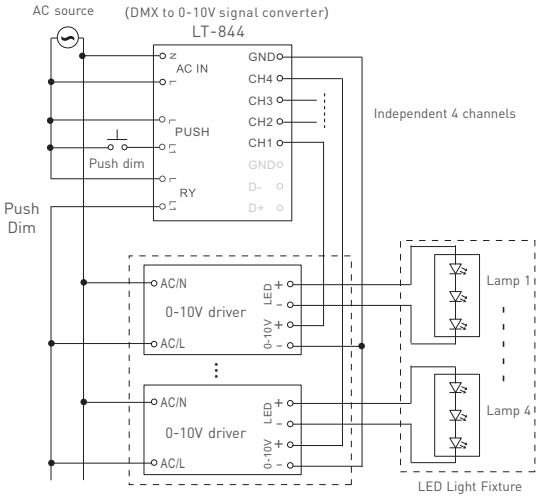
Push Dim Connection



* Please make sure the maximum voltage drop between DMX/RDM controller and LT-844 should not be higher than 2V. (Maximum cable length for 1.5mm² cables is 300m)
* Each channel is individually addressable, light intensity of LED driver connected to the same channel will be the same; the maximum allowable voltage drop between the LT-844 and LED driver should not be higher than 0.5V; Maximum cable length for 1.5mm² cable is 300m.

Built-in Relay Connection

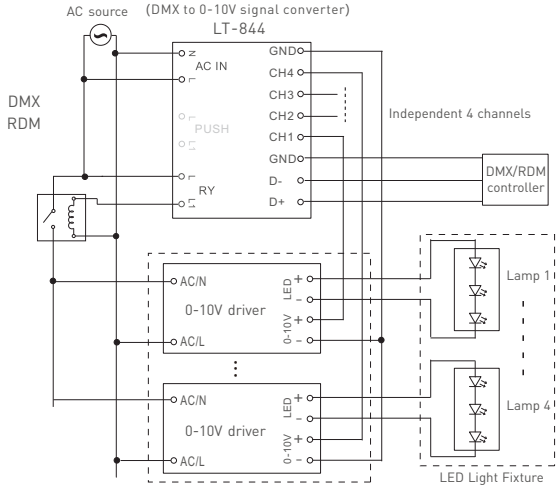


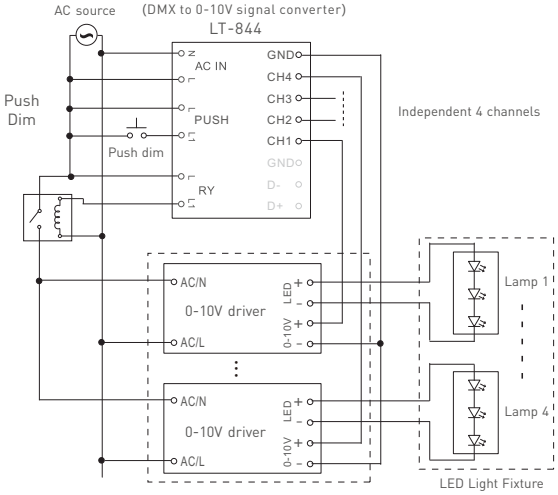


* The LT-844 is equipped with a relay that can be used to turn ON/OFF LED driver. The relay is in the closed position when the CH1 generates dimming signal, the relay is in the open position when there is no output signal on the CH1.
* The Max. loaded of built-in relay: 8A resistive current loaded or less than 50A inrush current loaded. Over-loaded of relay is out of warranty.

External Relay Connection

An additional magnetic switch is needed when the total input current of the LED driver is higher than 8A or inrush current is greater than 50A, please refer to the figure.





* Note: Light intensity of LEDs in the same group may be decreased when one of the LED driver is AC OFF.
* 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.