

LT-880-350 DMX/RDM CC Decoder



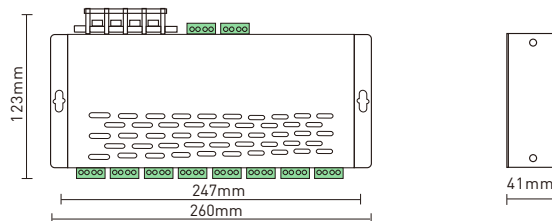
LT-880-350 with the standard RDM remote device management protocol, supports DMX512 signal bi-directional communication, achieves remote management of reading and writing DMX address [DMX master controller must recognize the RDM protocol].

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.

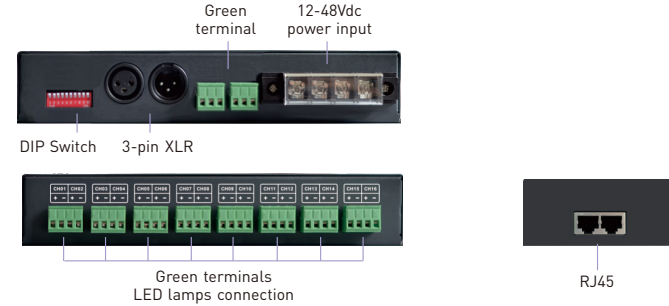
1. Product parameter:

LT-880-350			
Input signal:	DMX512/RDM	Photoelectric isolate:	Yes
Input voltage:	12~48Vdc	DMX512 socket:	3-pin XLR, RJ45, Green terminal
Output voltage:	3~46Vdc	Working temp.:	-30°C~65°C
Output current:	CC 350mA×16CH	Dimension:	L260×W123×H41mm
Output power:	1.05~16.1W×16CH Max. 257.6W	Package size:	L276×W128×H46mm
Driving LEDs:	1~12 pcs 1W LED × 16CH	Weight(G.W.):	950g

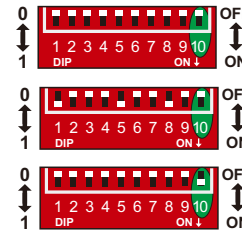
2. Product size:



3. Configuration diagram:



4. Dip switch operation:



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

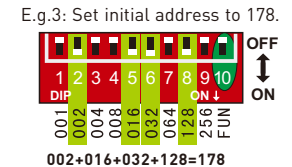
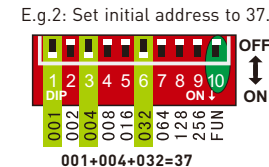
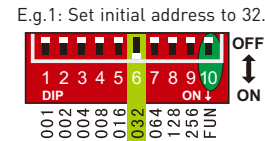
DMX mode: FUN = OFF (the 10th dip switch = OFF)
Setting DMX addresses with dip switch 1-9

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

4.1 How to set DMX address via dip switch:

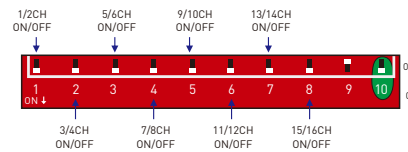
FUN=OFF (the 10th dip switch = OFF) **DMX mode**

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

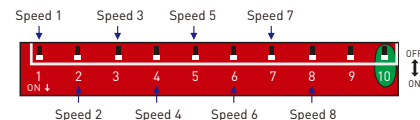


4.2 Self-testing mode:

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



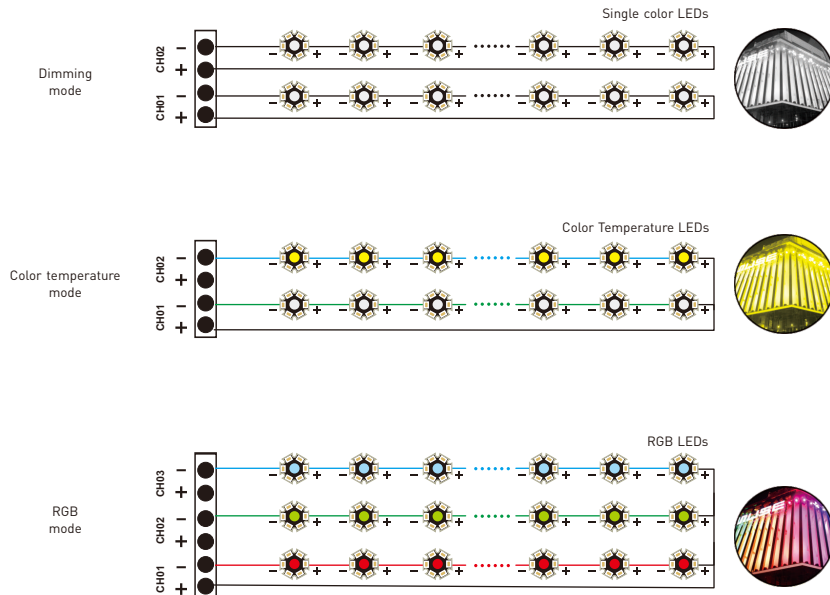
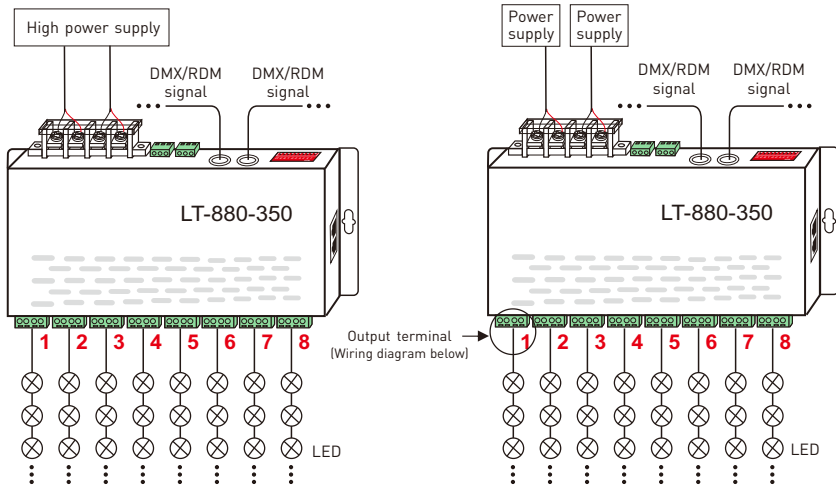
When Dip switch 9 = off, Dip switch 1-8 is to turn on/off 16 channels.



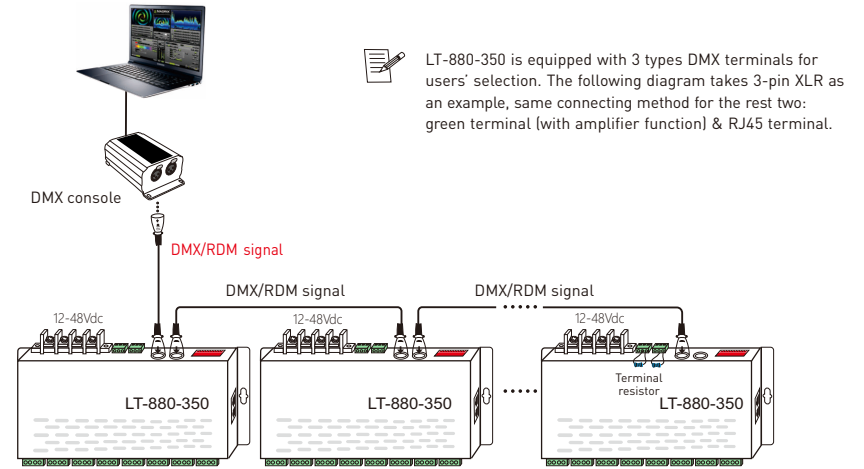
When Dip switch 9 = on, Dip switch 1-8 is to realize 8 speed levels (8=on, the fastest level). Channel 1 light up gradually then dark down; channel 2 light up gradually then dark down...every channel changes in this way until channel 16 light up then dark down.

5. Wiring diagram:

5.1 Connecting LED lights:



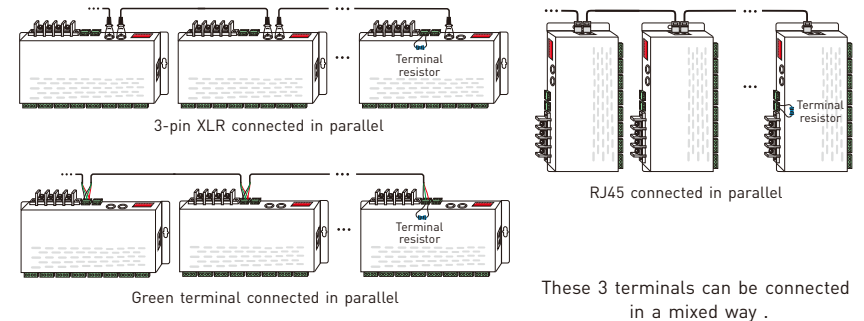
5.2 DMX console connection:



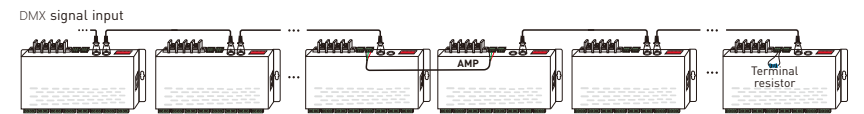
LT-880-350 is equipped with 3 types DMX terminals for users' selection. The following diagram takes 3-pin XLR as an example, same connecting method for the rest two: green terminal (with amplifier function) & RJ45 terminal.

- * 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.