LT-880-350
DMX/RDM CC Decoder

warranty 5 years
ISO9001:2008

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).

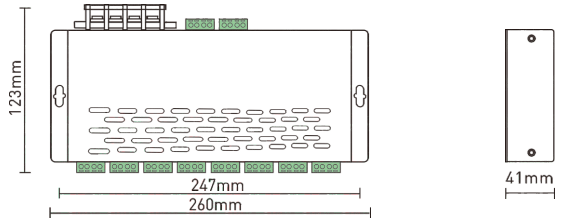
This compact decoder works with DMX512 console. Realize 0-100% brightness and various changing effect. Equiped with DMX standard XLR-3, RJ45 and green terminal interface, easy to operate. And it can control single color, bi-color, RGB LED lights.

1. Product Parameter:

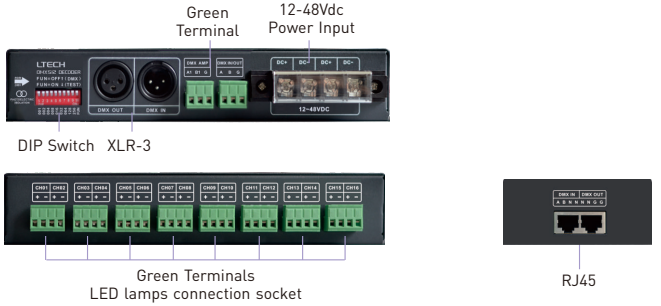
LT-880-350

Input Signal:	DMX512/RDM	Photoelectric Isolate:	Yes
Input Voltage:	12~48Vdc	DMX512 Socket:	XLR-3, Green Terminal
Output Voltage:	3~46Vdc	Working Temp.:	-30℃~65℃
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

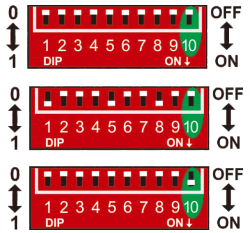
2. Product Size:



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

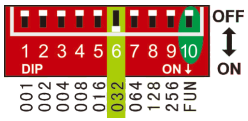
Self-testing Mode: FUN = ON (the 10th dip switch = ON)

4.1 How to set DMX address via dip switch:

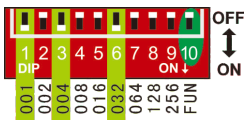
FUN=OFF (the 10th dip switch = OFF) **DMX Mode**

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

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



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



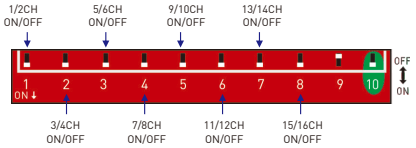
001+004+032=37

E.g.3: Set Initial Address To 178.

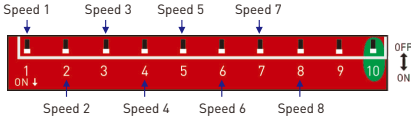
002+016+032+128=178

4.2 Self-testing Mode:

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



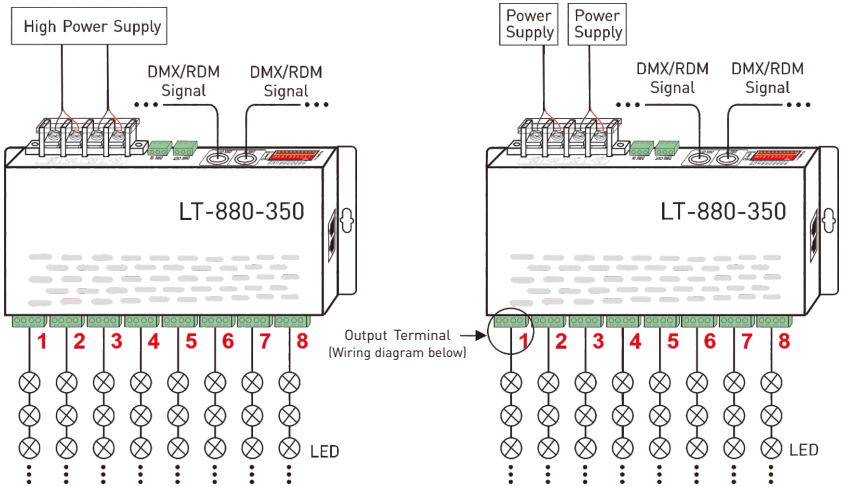
When Dip Switch 9 = off, DIP switch 1-8 is to turn on/off 16 channels.

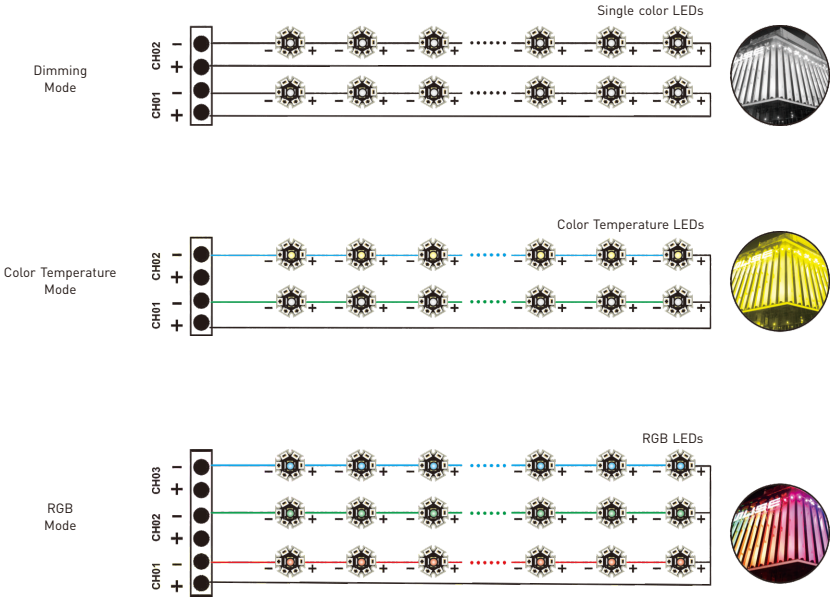


When Dip Switch 9 = on, DIP switch 1-8 is to realize 8 speed levels (8=on, the fastest level).
Channel 1 light up gradually then dark down; channel 2 light up gradually then dark down……every channel changes in this way until channel 16 light up then dark down.

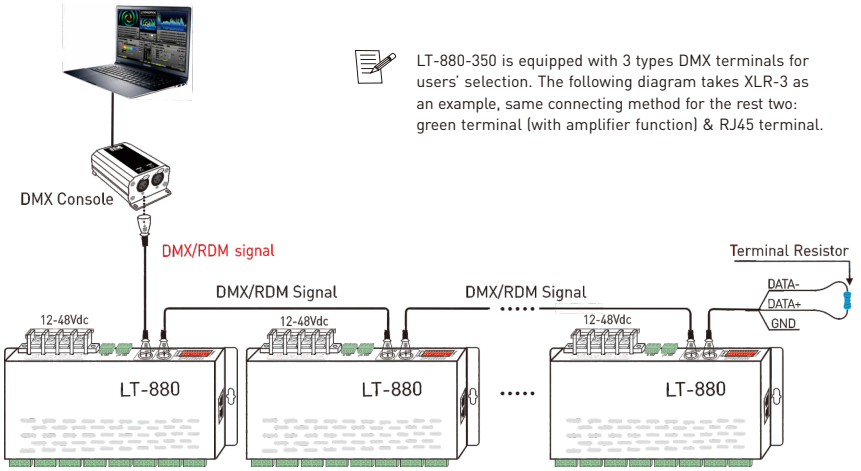
5. Wiring Diagram:

5.1 Connecting LED lights:





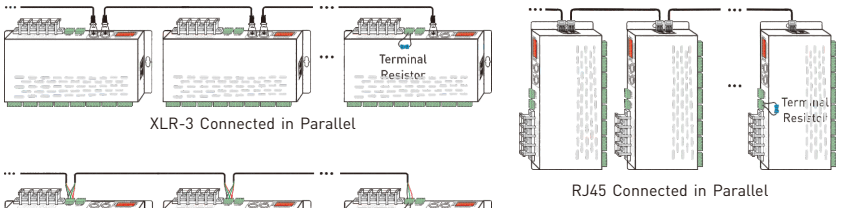
5.2 DMX console connection:



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

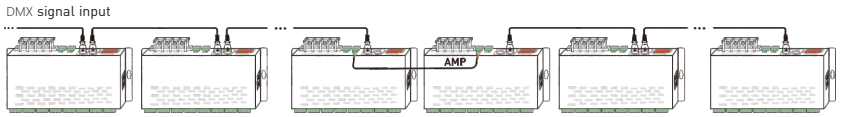
* If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.
* An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

5.3 The connection diagram of three DMX terminals:



These 3 terminals can be connected in a mixed way .

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.