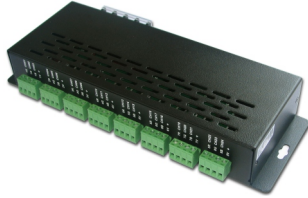


## LT-280 24-channel SPI driver



LED RGB driver is a kind of multiple-channel controller which receives standard SPI(TTL) signal, extensively used to control LED lamp which has no IC in it. It can achieve effect such as RGB scanning, color-chasing, animation and so on. The controlling channels and the output power can be repeated unlimitedly.

**Note:** Apart from receiving SPI (TTL) signal, LT-280 can also work with our LT-8020 DMX decoder to receive international standard DMX signal and control each pixel separately.

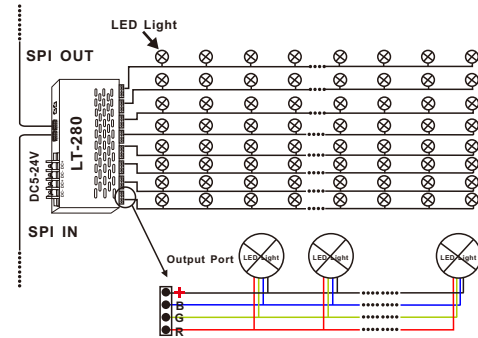
Suitable for LED decorative products such as LED sign modules, LED strips, LED tubes, LED projectors, LED flood lights and so on.

### 1. Product parameter

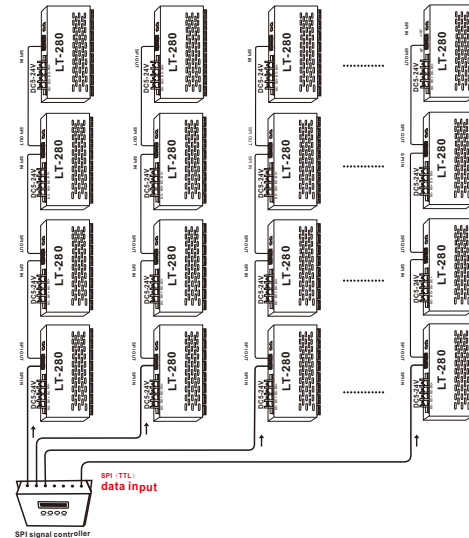
| LT-280 (8 pixels/24 channels) |                             |
|-------------------------------|-----------------------------|
| Power supply chosen           | DC CV SMPS                  |
| Input signal                  | SPI (TTL) signal            |
| Input power                   | DC5V~DC24V                  |
| Max load current              | 3A/CH×24 72A Max            |
| Max output power              | 360W/860W/1720W(5V/12V/24V) |
| Working temperature           | -30°C-65°C                  |
| Dimension                     | L260×W120×H40mm             |
| Package size                  | L290×W130×H46mm             |
| Weight(G.W)                   | 860g                        |

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### 2. Connect with LED RGB lights:



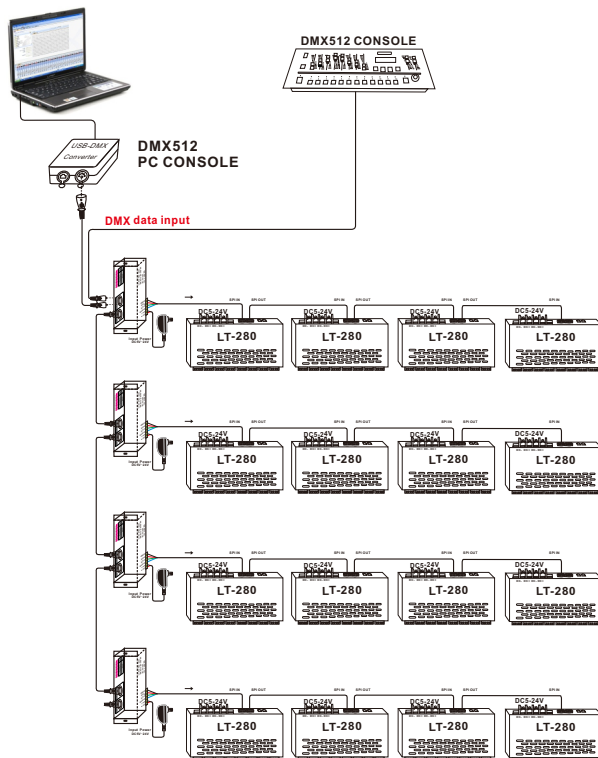
### 3. Connect with SPI (TTL) signal:



2

#### 4. Connect with DMX512 console or DMX512 devices:

(Add LT-8020 DMX512 decoder)



#### 5. Attention

1. The product shall be installed and serviced by a qualified person.
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.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
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 to avoid the accidents due to overheat and poor contact on the wire.
6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

#### 6. Warranty Agreement

1. We provide lifelong technical assistance with this product:
  - A 3 year warranty is given from the date of purchase. The warranty is for free repair or replacement and covers manufacturing faults only
  - For faults beyond the 3 year warranty we reserve the right to charge for time and parts.
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.
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.
4. Any amendment or adjustment to this warranty must be approved in writing by Ltech only.

★ This manual only applies to this model. Ltech reserves the right to make changes without prior notice.