SunsignLED Opto-Electronics Co., Limited

Enjoy SunsignLED Solution

24-**Channel RGB driver**

Users' instruction

（**Please read through this manual before use**）

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Foreword

Thanks for choosing our SSL-24TL1810 RGB Driver. Before installation and use, we strongly recommend you to read through this manual carefully. If device has been damaged during transport, please report it to your supplier immediately. Please don't take any action without contacting your supplier first.

After-sales Service

From the day you purchase our products within a year, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:

1. Any defects caused by wrong operations..
2. Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
3. Any damages due to transportation, vibration etc after the purchase.
4. Any damages caused by earthquake, fire, lightning strike, pollution and abnormal voltage.
5. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
6. Product has been updated

Safety Warnings

1. Please don't install this controller in lightening, intense magnetic and high-voltage fields.
2. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
3. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
4. Check if the voltage and power adapter suit the controller & if anode or cathode definition is the same as the controller's.
5. Don't connect cables with power on, make sure a correct connection and no short circuit checked with instrument before power on.
6. Please don't attempt any repairs yourself; doing so will void your manufacture's warranty.

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For update information, kindly please consult with your supplier.

Product Brief

LED RGB driver is a kind of multiple-channel controller which receives standard SPI(TTL) signal, extensively used to control LED lamps 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, SSL-24TL1810 can also work with our SSL-2010 DMX decoder to receive International standard DMX signal and control each pixel separately.
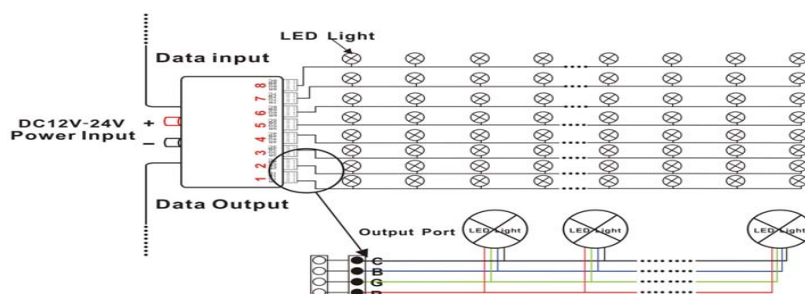
Suitable for LED decorative products such as LED sign modules, LED strips, LED tubes, LED projectors, LED flood lights and so on.
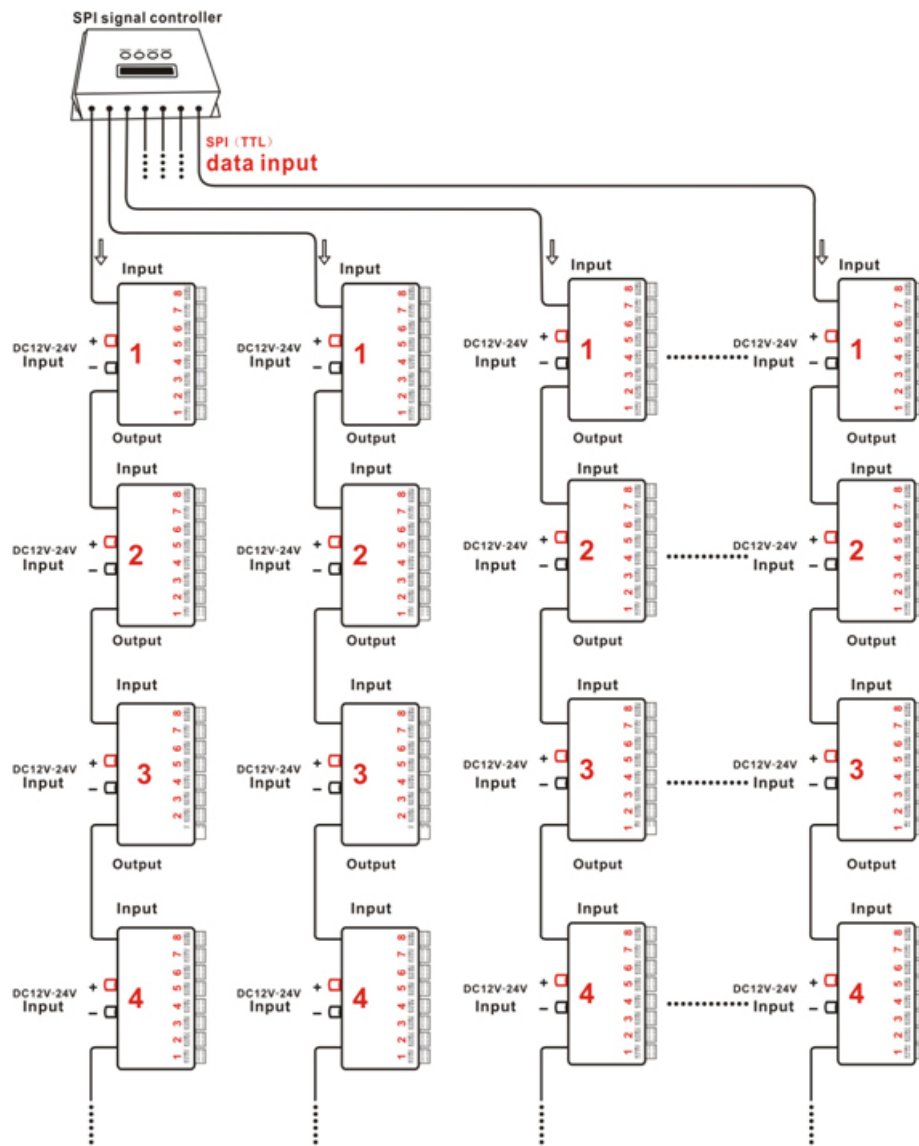
Ⅰ. Specification

SSL-24LT1810   (8 pixels/24 channels)

Receiving signal	SPI（TTL）or DMX512
Input power	DC12V～DC24V
Output current	2A/channel×24channels
Max. output power	600W(12V) 1200W(24V)
Protection	Overload protection automatically
Product size	L250×W95×H40mm
Package size	L270×W130×H50mm
weight	0.9kg

Ⅱ. Connect with LED RGB lights

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Ⅱ. Connect with SPI (TTL) signal

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Ⅲ. Connect with DMX512 console or DMX512 devices