



# Product Specification

**Name:** 3 Channel DALI RGB controller

**Model:** DL111



## Summarization

DALI (Digital Addressable Lighting Interface) is an international standard, popular lighting control protocol bus, which adopts Manchester codes of digital transmission, with powerful dimming function such as whole, grouping dimming, addressing dimming, inquiries states of lamps etc. Compared with the 0-10V analog dimming bus, it has features such as more precise dimming, addressable, stable, focus control, easy to install.

The product adopts a standard DALI dimming signal to carry on LED digital dimming, using standard IEC60929. Compared with traditional way of LED dimming, with features such as wide range of adjustable dimming, high precision dimming, can check the current status of LED (such as the current brightness, brightness of power-on, the minimum support brightness, address, etc.), easy to distributed control and so on.

## Technical parameter

Working temperature: -20-60°C

Supply voltage: DC12V-24V

Dimming signal: standard IEC60929 DALI signal

DALI address: occupy 3 channels

Output: 3 channels, the same voltage as supply voltage

Dimming range: 0.1%-100%

Net weight: 85g



Gross weight: 104g

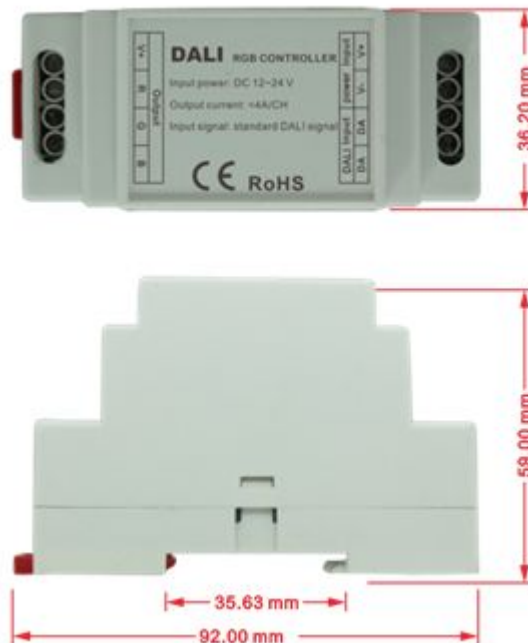
External dimension: L92 \* W36.2 \* H59mm

Packing size: L100 \* W45 \* H67mm

Output current:: <4A

Output power: 12V :<144W, 24V :<288W

## External Dimension



## Interface Specification

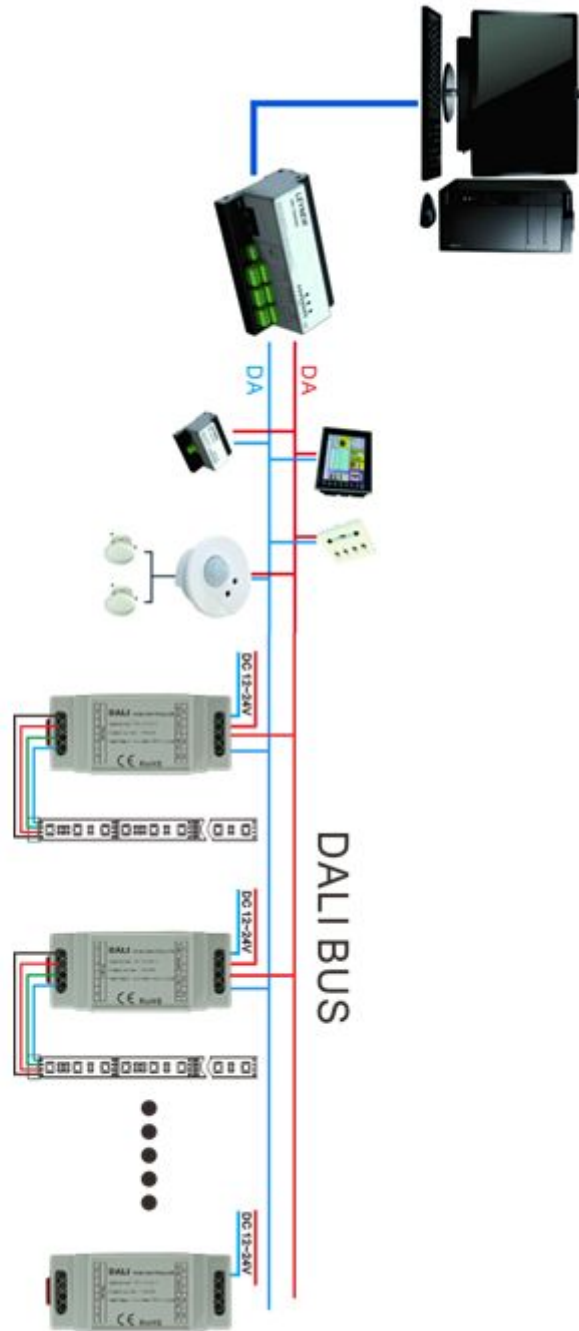


(1) Output: Load output connects with the LEDs need dimming, V+ is positive electrode (voltage is same as supply voltage V+), R, G, B is negative electrode of red, green, blue LED.

(2) Input: power input interface.

(3) Signal: DALI signal input interface, regardless of positive and negative electrode.

## Typical Application



### Installation Instruction

DALI bus is leads about 0.5mm<sup>2</sup>-1.5mm<sup>2</sup>.

Wiring length of DALI bus should follow the following rules: the length should not be more than 300m or voltage drop is not more than 2V.

The product adopts spring-free screw-type wiring connection mode. When connecting wires, press the terminal button, insert the leads, then release.

### Remark

1. The supply voltage of product is DC12-24V, can not connect with wrong voltage.



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2. The warranty period of this product is one year, in warranty period, you can replace, repair, but this doesn't include the situation of man-made damage and overload of work.