

LT-820-5A RGBW DMX Decoder

Diffusion LED Controller



Safety Instruction and Warning

WARNING:

READ CAREFULLY BEFORE INSTALLING.

Installation should only be performed by a qualified electrician in accordance with NEC and all applicable local building codes.

Risk of fire or electric shock. Fixture installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

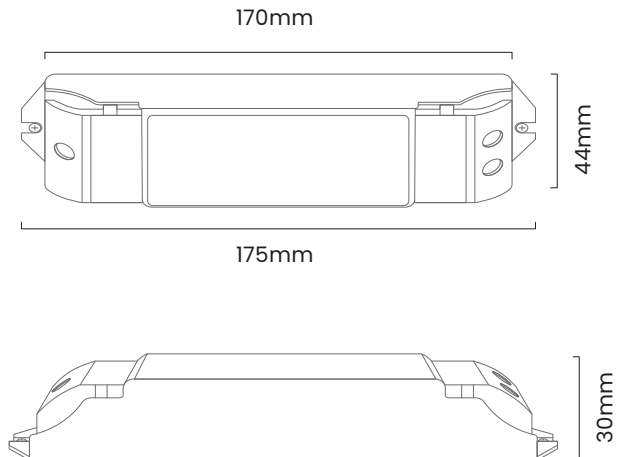
Ensure that electrical power is turned OFF before and during installation or maintenance.

Fixtures must be connected to a wiring system that includes an equipment-grounding conductor.

Ensure that the supply voltage matches the rated voltage of the luminaire fixture.

Wear gloves and safety glasses at all times when removing the luminaire from the carton, installing, servicing, or performing maintenance.

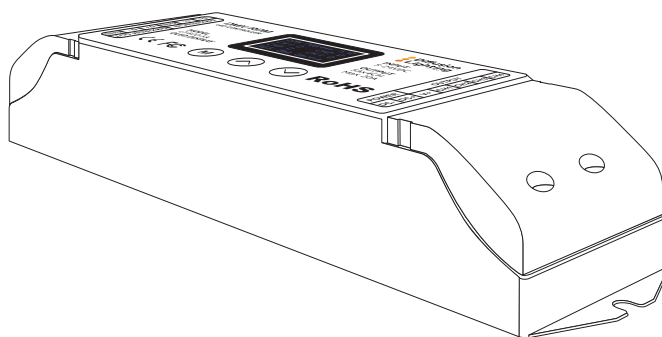
Diagram



Description

The Diffusion LT-820-5A RGBW DMX Controller is an OLED display DMX decoder.

Shop Drawing

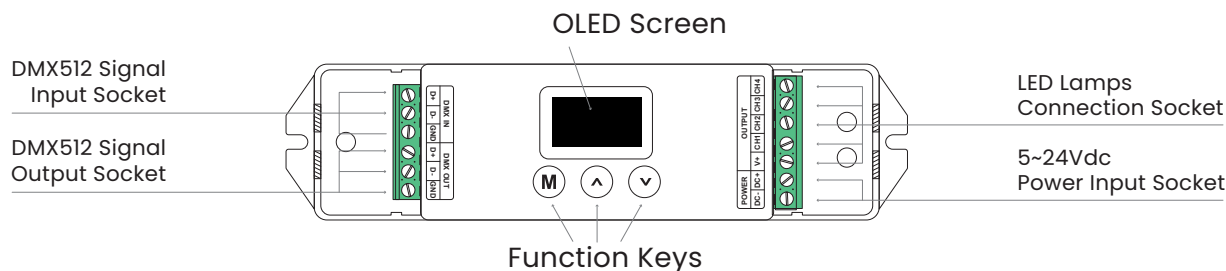


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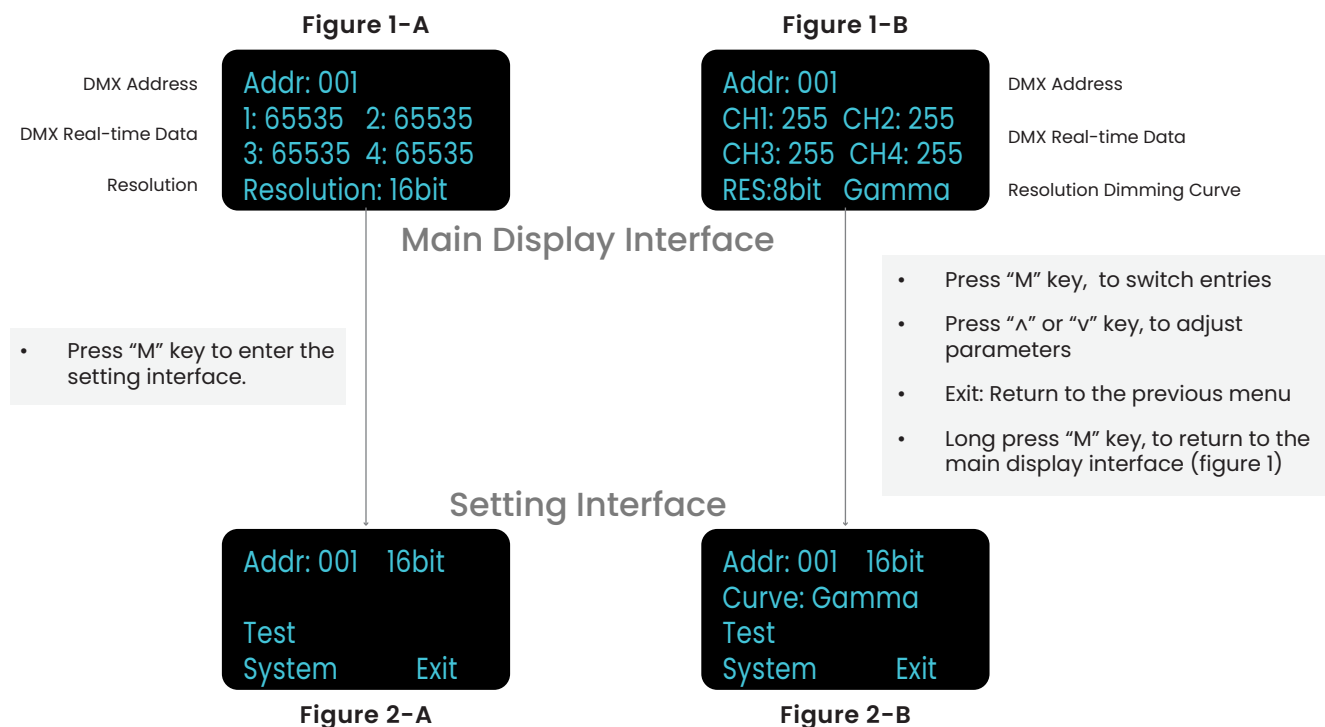
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Main Component Description



OLED Screen Diagram



Please refer to the OLED display for detailed information.

LT-820-5A will run the test scenes only when you enter "self-testing" interface.

Screensaver enable time: undo for 2 min in the main display interface (Figure 1).

[Restore the default parameters]: In the main display interface (Figure 1), Long press "M", "Λ", "V" 3 keys simultaneously, LT-820-5A will restore the default parameters, and the screen display "Device restore default" for 2 seconds, then it will return to the main display interface (Figure 1).

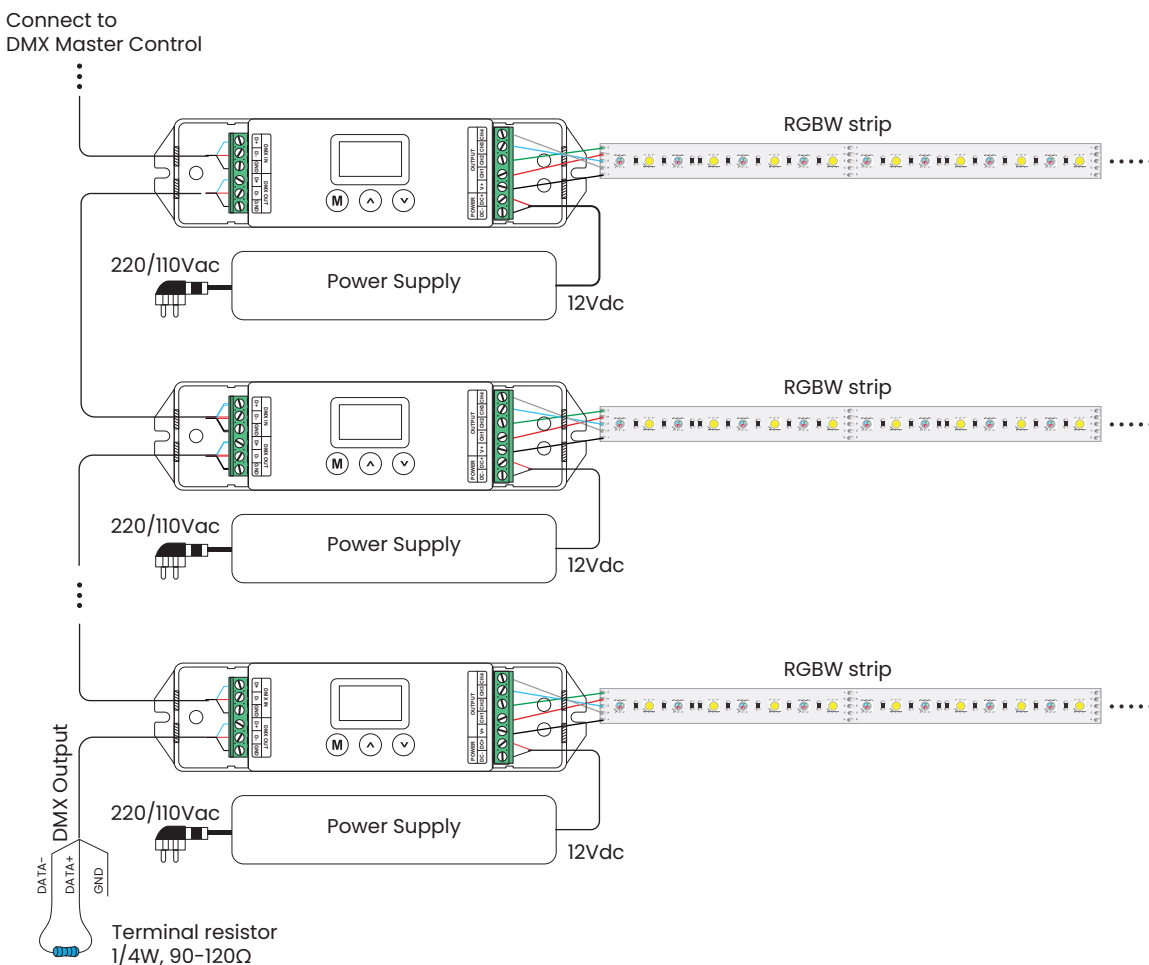


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Wiring Diagram for Multiple Unit



LED Voltage Chosen:

This controller can wire to the LED lamps with a voltage range from 5~24Vdc if the input voltage equals output voltage, for example:

- the lamp with 5V working voltage, please use 5V power supply,
- the lamp with 12V working voltage, please use 12V power supply,
- the lamp with 24V working voltage, please use 24V power supply.

LED Power Chosen:

This controller can load a current range from 0~20A, a 5V lamp may load a power range from 0~100W; a 12V lamp may load a power range from 0~240W; a 24V lamp may load a power range from 0~480. The power chosen must be 20% higher than the actual load.

The principle for power chosen: the more the better.

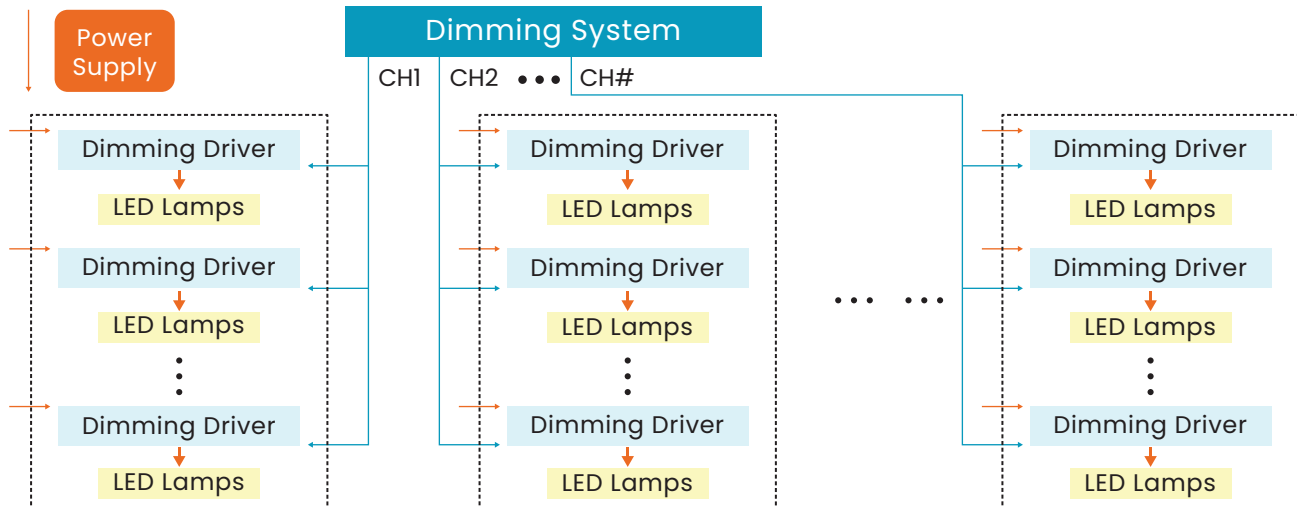


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System connection diagram



This product is non-waterproof, please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.

Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.

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.

Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.

