

TV-8 AMPLIFIER



USER MANUAL

This product manual contains important information about the safe installation and use of this product. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Introduction

DMX-8 amplifier is specially used for DMX512 light control signal to shape and amplify. The input and output interface adopts high-voltage isolation technology, which is suitable for DMX512 signal to process shape amplification after attenuation over long distance transmission. And the use occasions that require complete gas isolation between the distribution output interface, the input interface and the distribution output interface. Since each interface is isolated from each other, it is possible to avoid burning the precise digital lighting console due to control lines, computer lights, silicon boxes to ensure the safe operation of the digital lighting console. At the same time, it can ensure that DMX signals can be transmitted to a variety of lighting equipment, thereby improving the reliability of the entire digital lighting control system.

Technical Parameters

Transmission signal: international standard DMX512 signal

Interface type: The input signal interface uses a three-core Cannon male and female connector in parallel, and the output signal interface uses a three-core Cannon female connector.

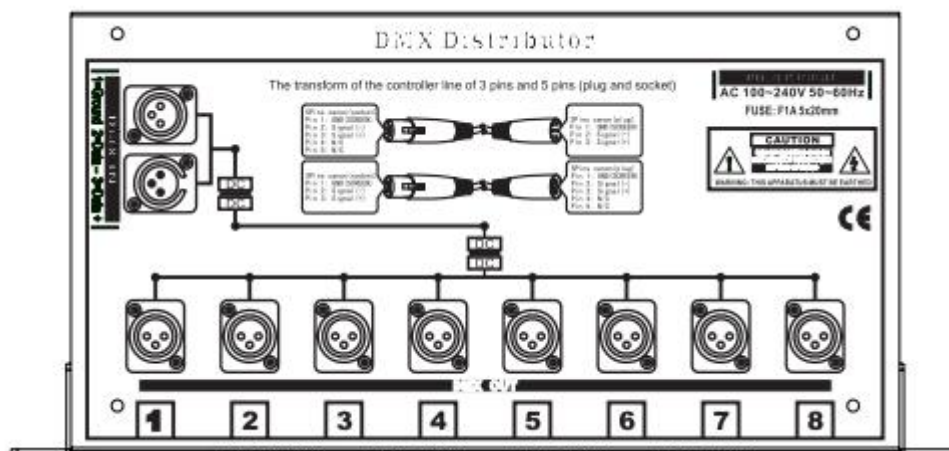
Input power: 90-240VAC

Frequency: 50Hz / 60Hz

Product size: 490 (length) * 160 (width) * 45 (height) mm

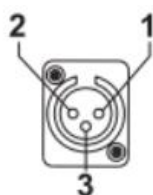
Gross weight: 2000

Operating Instruction and Connection

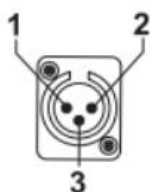


DMX input:from the DMX transmitting device (dmx controteor...)

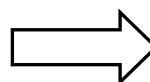
DMX output:connect to the DMX receiving device(tight...)



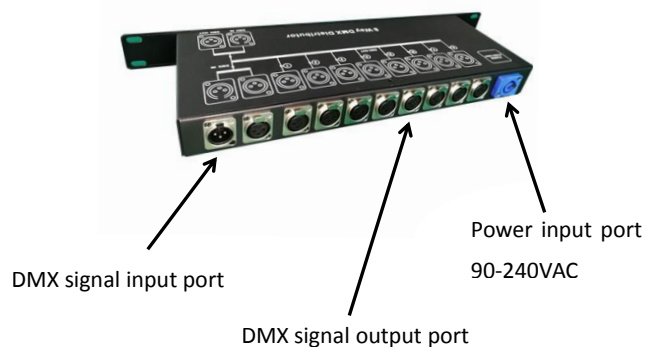
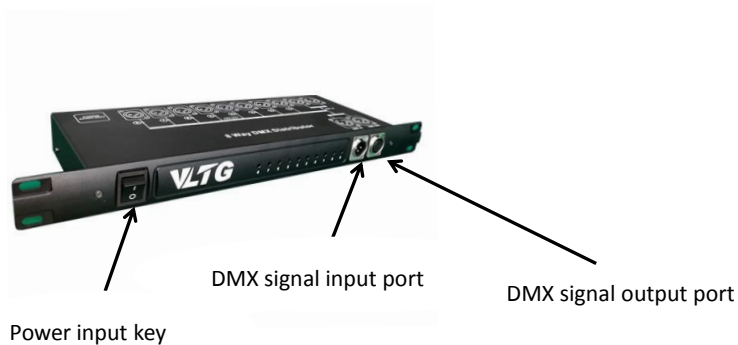
3Pins canon(plug)
Pin1:GND(SCREEN)
Pin2: Signal(-)
Pin3: Signal(+)



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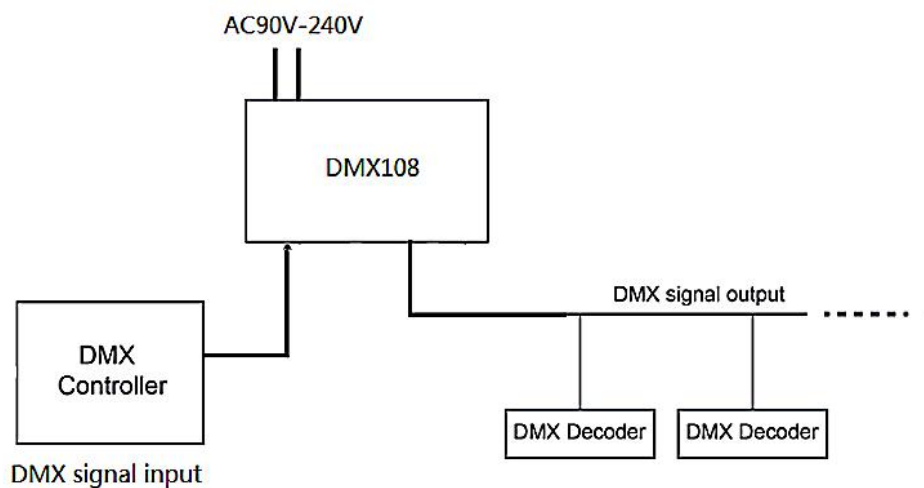


Connector pin designations shall be as follows:
Pin1: signal common (shield)
Pin2: dimmer drive complement (data1-)
Pin3: dimmer drive true (data 1+)



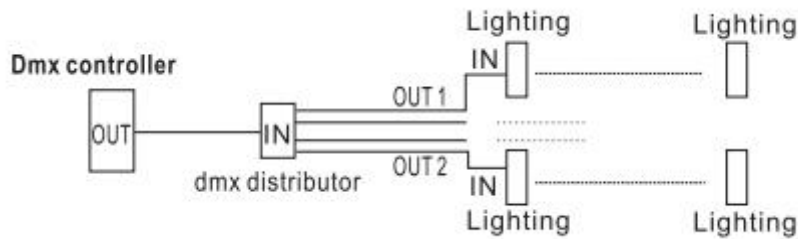
Connection diagram

1. DMX controller



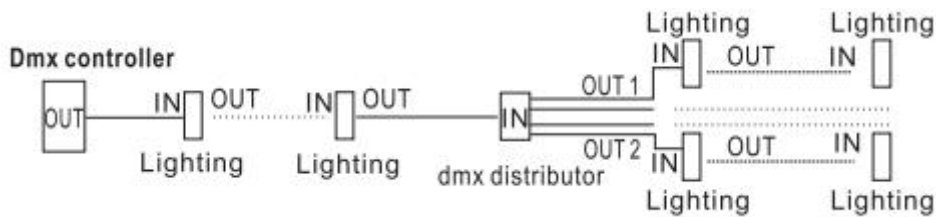
- 1) Wiring as shown in the figure above, DMX-8 is an isolated ground output signal.
- 2) DMX wiring is directly connected, DMX signals have positive and negative signals. Pay attention to the polarity when wiring, and connect the positive, negative and ground signals to the corresponding interfaces of the device.
- 3) DMX signal transmission in the case of work and many lights in series connection, please add one at a distance of 40m-50m. (Depending on the installation)

2. DMX controller



Receiver can not more than 32 units on one out channel Use one terminator on the last receiver

3. DMX controller



Push on the push button. Nothing on link output. Lighting can not more than 31 units before DMX distributor Lighting can not more than 32 units on one out channel Use one terminator on the last Lighting

Caution

- 1) This apparatus must be earthed.
- 2) Do not apply power source before completely installation. Always disconnect from mains before replacing the fuse.
- 3) To reduce risk of fire or electrical shock, do not expose to rain or moisture.
- 4) Do not try to repair it when the circuit is out of order.
- 5) Send it back to your supplier for repairing