SPLITIER DMX ONE LIGHT

Please read manual carefully before use.

DSP series DMX512 digital signal distributor is specially used for shaping, amplifying and distributing output of DMX512 digital light control signal. Each output interface adopts independent amplifying driving technology, which is suitable for shaping and amplifying processing of DMX512 signal after long-distance transmission attenuation. Because the input / output interface adopts photoelectric isolation technology, it can avoid burning the precise digital lighting console due to the control circuit, computer light, silicon box and other problems, ensure the safe operation of the digital lighting console, and ensure that the DMX512 signal can be normally transmitted to various lighting equipment, so as to improve the reliability of the entire digital lighting control system.

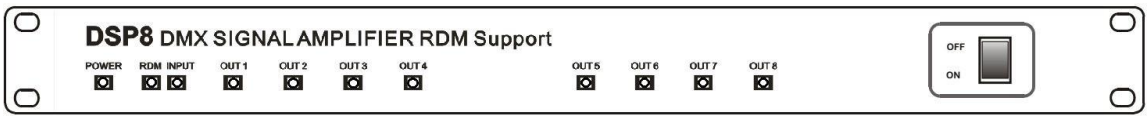
Specification:

DMX512 signal input	**1**
DMX512 signal direct outlet	**1**
DMX512 signal isolation allocation output (Independent drive)	**8**
Signal connector socket	**XLR-3**
Electrical isolation withstand voltage	**＞2000V**
The power supply	**Switching power supply, voltage range 110 and 240VAC, frequency 50/60, short circuit overload protection.**
The fuse	**1A**
power	**6W**
size	**19” 1U**

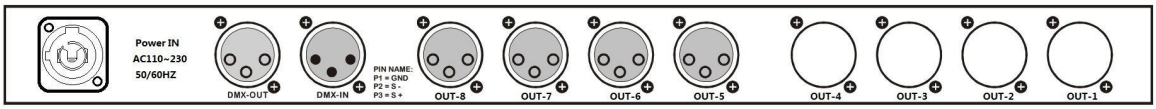
Connect the power supply:

When the machine is connected to the power supply, please first check whether the power supply voltage is within the applicable range of the machine. Power sockets must be connected to the power protection ground wire to ensure the safe use of the equipment.

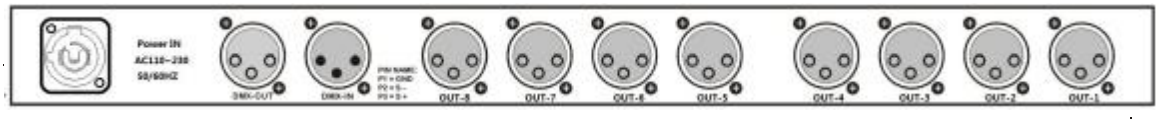
The panel figure:



After DSP4 board figure：



After DSP8 board figure：



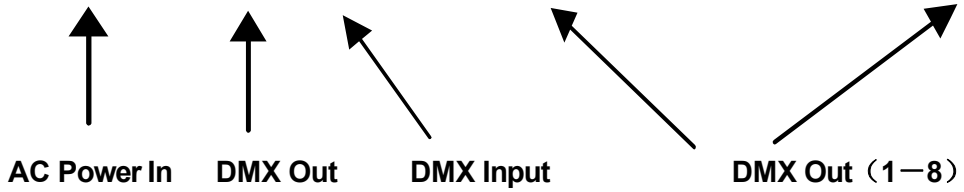
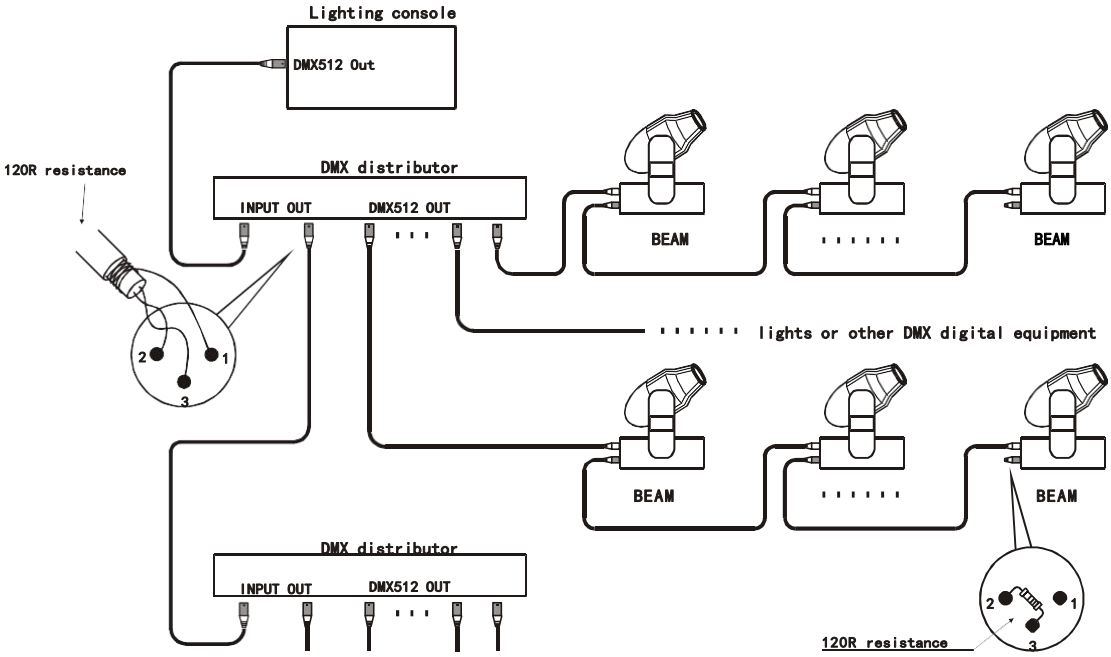


Diagram of distributor：

- distributor back board DMX512 signal socket, are three core XLR structure. The 1 pin of the socket is the signal ground wire, the 2 pins are the negative end of the signal, and the 3 pins are the positive end of the signal.
- DMX512 connection cable adopts shielded twisted-pair cable. XLR plug shall be welded at both ends of the cable. The shielding net is connected to the first pin of XLR plug. The twisted-pair wire (distinguished by different colors) is connected to the second and third pins of XLR plug respectively.。



Socket pin number	The cable core
1	Shielding network layer
2	Signal the negative side
3	Signal is end