



# 10-way DMX Splitter

## Instruction Manual

### Model:

**DSR10-3 : 3-pin DMX connectors**

**DSR10-5 : 5-pin DMX connectors**

**DSR10-C: Mixed DMX connectors**

### ATTENTION!

This instruction manual contains important information about the installation and the use of equipment. Please read and follow these instructions carefully.

Always ensure that the power to equipment is disconnected before opening the equipment or commencing any maintenance work.

## **IMPORTANT SAFETY INFORMATION**

The following general safety precautions have to be observed during all phases of operation, service, and the repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and intended use of this equipment.

### ***Do not operate in an explosive atmosphere!***

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

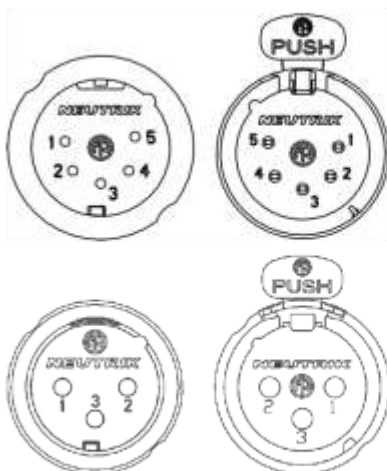
### ***Water, moisture, heat and humidity***

Do not operate this equipment near water or in areas with wet floors or in high humidity atmosphere where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air and it should not be installed or operated without proper ventilation.

## **DMX connections**

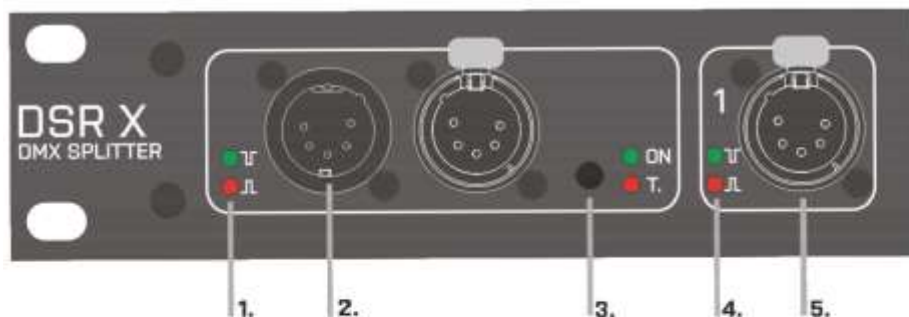
DMX 3- or 5- pin XLR connectors are located on the front panel of the device. They are separated into two groups. A group on the left is wired in ratio 1:1 and marked as DMX input and DMX thru. This line should be terminated by the termination switch marked as "T". When line is terminated by 120ohm resistor, the red LED "T" indicator is on.

The other group on the right consists of 10-way optically/electrically isolated lines marked with numbers 1 to 10. Each line has a separate power supply and line driver, and the indication of signal on both signal lines with two LEDs marked as 2 and 3.



Pin 1	Ground / Common
Pin 2	Data -
Pin 3	Data +
Pin 4, 5	NC

## Controls and indication



1. DMX input signalization
2. DMX input/output connectors
3. Termination switch
4. DMX output signalization
5. DMX output connector

## Device Design

### Front panel:



### Rear panel:



## Device use / servicing:

The ON LED indicator indicates the device is on the main power. All other data indication LEDs being off mean no incoming signal. The termination LED is on when the termination switch is activated.

When the DMX cable is connected to the device, all LEDs marked as 2 / 3 or the sign of signal polarity go on. This indicates that DSR10 is functioning properly and is retransmitting the input to the outputs. If any of LEDs is off, check the cable first – short circuit on a line causes the respective LED is off.

If case of any problems, do not hesitate to contact us via email at [service@srslight.com](mailto:service@srslight.com) or call us at +421244681417. Don't worry; we will fix your problems for sure. Keep in mind that your device has a life-time warranty and you will receive a free replacement.

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## **Technical data**

**Main:**

AC 100-255V / 50-60Hz / 15W

**Input/Output:**

USITT DMX512

**Size:**

1U, 19" format / 482.5 x 44.5 x 130 mm

**Weight:**

2.1 kg

**Package consists of:**

DSR10 unit, 1.5m 3G0.75mm<sup>2</sup> PowerCon cable, Printed manual

**Warranty:**

Lifetime warranty

**DECLARATION OF CONFORMITY**  
**According to guidelines 89/336 EEC and 92/31 EEC:**

**Name of producer:** SRS Light Design s.r.o.

**Address of producer:** Rybnicna 36/D, SK- 83106 Bratislava, Slovak Republic

*Declares that the product*

**Name of product:** 10-way DMX splitter

**Type:** DSR10

*Corresponds to the following product specifications:*

**Safety:** EN60065, resp. EN 60950

**EMC:** EN55103-1, resp. EN55103-2

**Additional information:**

Unit and all connected apparatuses must be earthed via main cable.

Bratislava, May 10, 2009



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