



10-way DMX Splitter

Instruction Manual

Models:

DSR10N, DSR10N-3

DSR10N-5

version 2.0 since 3 February 2020

ATTENTION!

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

Always ensure that the power to the 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 the 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.

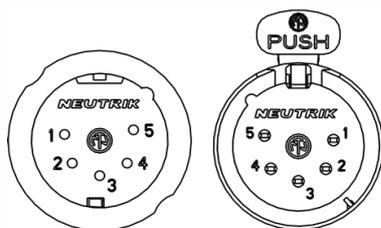
Water, moisture, heat and humidity

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

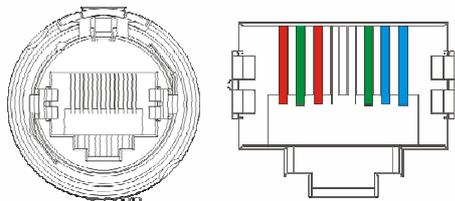
DMX 3/5/RJ45 XLR connectors are located on the front panel of device. These are separated into two groups. First group is wired in ratio 1:1 and marked as IN and OUT. This line should be terminated by the termination switch marked as "T". When line is terminated by 120R resistor, the red LED T indicator is on.

The other part of splitter consists of 10-way optically isolated lines marked with numbers 1 - 10. Each line has a separate power supply and a line driver + indication of signal on both signal lines with two LEDs marked as 2, 3.

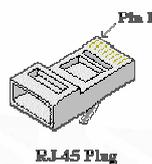
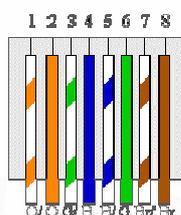


Pin 1	Ground / Common
Pin 2	Data -
Pin 3	Data +
Pin 4, 5	NC

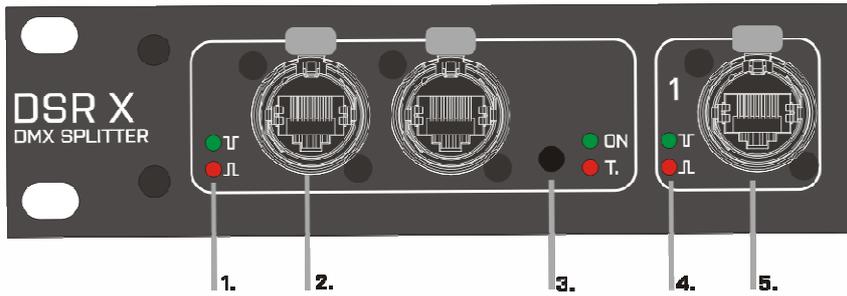
1. 8.



Pin 1, 3	Data +
Pin 2, 6	Data -
Pin 4, 5	NC
Pin 7, 8	Ground / Common



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:

By default, without any incoming signal, all LEDs are off and the ON LED indicator indicates the device is on main power. The T. 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 goes ON and this indicates that DSR10N is functioning properly and retransmitting the input to the splitted outputs. If any of LEDs is off, check the cable first – if there is short circuit on line, the respective LED is off.

Technical data

Main:

Transformer: AC230V / 50 Hz (or AC110V / 60 Hz on request)
Switching PSU: AC89-265V / 50-60Hz on request

Input/ Output:

USITT DMX512, ANSI E1.11 – 2004 for RJ45

Dimensions & housing:

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

Weight:

2.1 kg

Package consists of:

- DSR10N,
- IEC or PowerCon cable,
- Printed manual

Warranty:

Life-time

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

Name of producer: SRS Group 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: DSR10N, DSR10N-3, DSR10-N5

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, 10 May 2009



Robert Sloboda

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