Technical data

Main input:
AC 100-255V / 50-60Hz / 15W

Input/Output:
2x USITT DMX512
10x USITT DMX512 amplified

Size:
1U, 19'' format / 482,5 x 44,5 x 130 mm

Weight:
2.1 kg

Package consists of:
DSR10ABN, 1.5m 3G0.75mm2 PowerCon cable, Printed manual

Warranty:
Life-time warranty

<div align="center">

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

</div>

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 with RJ45 connectors
Type: DSR10ABN

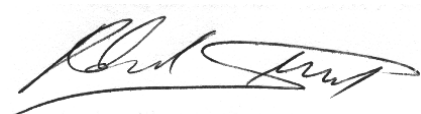*Corresponds to the following product specifications:*

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

Robert Sloboda

10-way DMX Splitter
with A/B Line Selection

Instruction Manual

Model:

DSR10ABN: RJ45 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-/5-pin or RJ45 connectors are located on the front panel of the device. They are separated into two groups. The 1st group is marked as inputs A and B. This line should be terminated by the termination switch marked "120R". When the line is terminated by a 120R resistor, the red indication LED is on.

The other group consists of 10-way optically/electrically isolated lines marked with numbers 1 to 10. Each line has a separate A/B source selection, power supply and a bus line driver + indication of signal on both signal lines with two LEDs indicating the polarity of the DMX signal.
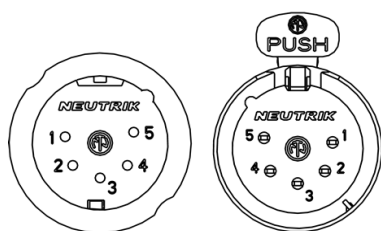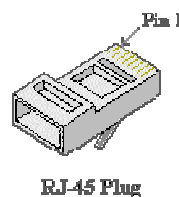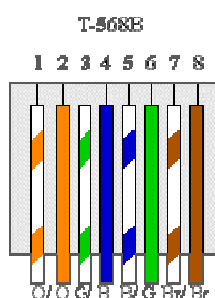

Pin 1	Ground / Common
Pin 2	Data -
Pin 3	Data +
Pin 4, 5	NC
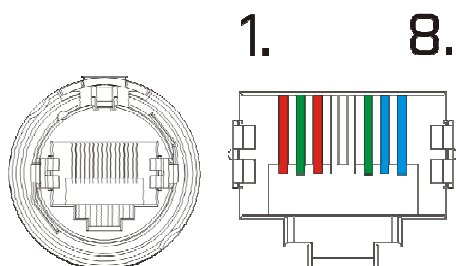
Pin 1, 3	Data+
Pin 2, 6	Data -
Pin 4, 5	NC
Pin 7, 8	Ground / Common

RJ45 Plug Colour Code
Contact Side - Tab is on Back

8	BROWN/White
7	WHITE/Brown
6	GREEN/White
5	WHITE/Blue
4	BLUE/White
3	WHITE/Green
2	ORANGE/White
1	WHITE/Orange

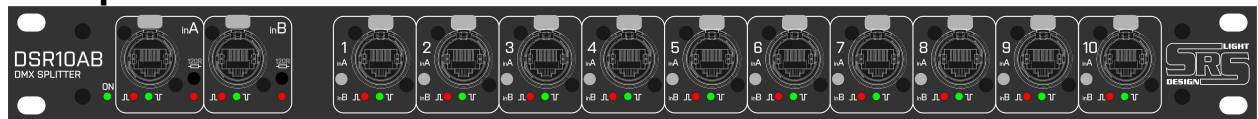T-568B

RJ-45 Plug

Pin 1

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Controls and indication
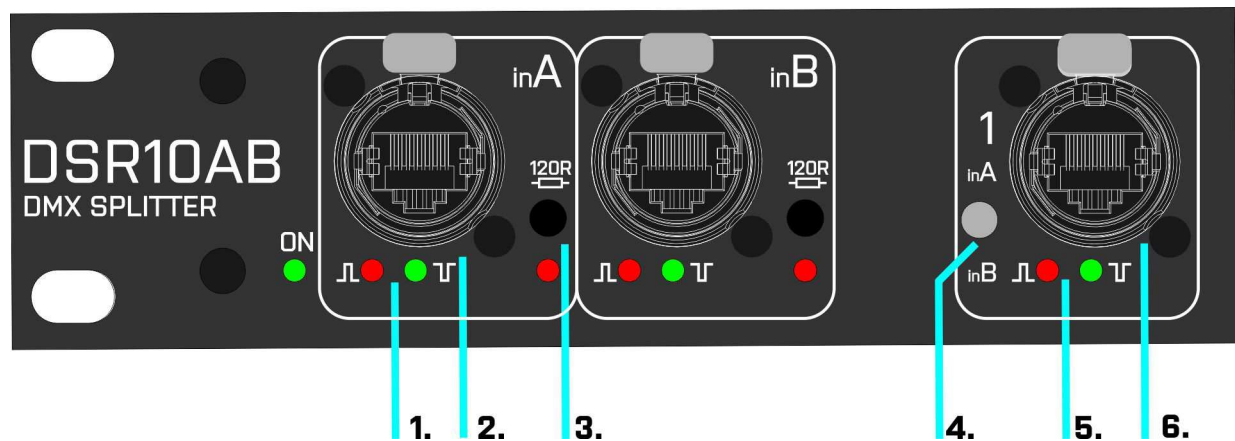
1. DMX input signalization
2. DMX input connector channel A
3. Termination switch + indication
4. A/B channel selector switch
5. DMX output data signalization
6. DMX output connector

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 LEDs are on when the termination switch is activated. The desired DMX source to be retransmitted on each output can be selected using the A/B switches close to the output connectors.

When the DMX cable is connected to the device, all LEDs marked as D+/D- or the sign of signal polarity go on. This indicates that DSR10ABN 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.

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