SRS LIGHTING

DMX Splitter with RDM Support

Instruction Manual

Models:

DSR5.2-RDM-3, DSR5.2-RDM-5 DSR5.2-RDM-C

version 1.0 since 3 February 2020

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.
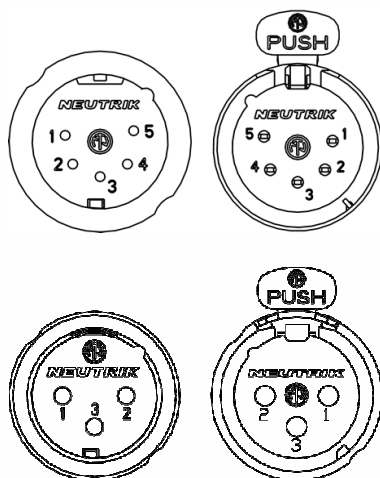
Water, moisture, heat and humidity

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.
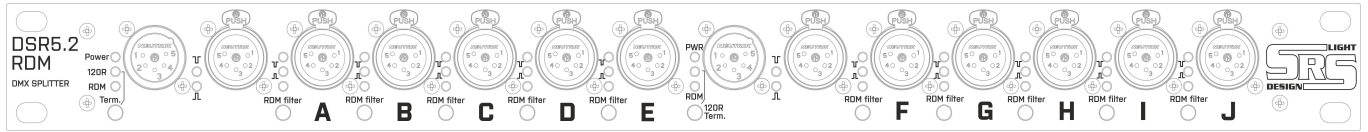
DMX connections

DMX 3/5-pin or RJ45 connectors are located on the front panel of the device. Splitter consists of DMX thru and outputs marked as A-J. These outputs are optically/electrically isolated and equipped with RDM filter on each output. Both input lines should be terminated by the termination switch marked as "120R". When the line is terminated by the 120R resistor, RED LED indication is on.

There is also 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 -
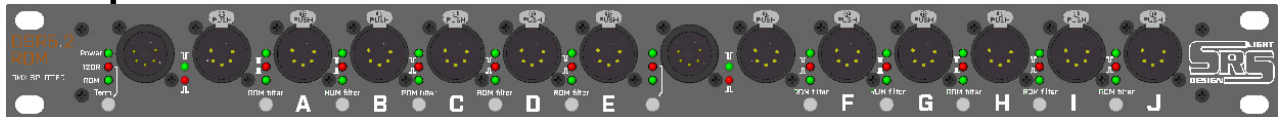Pin 3   Data +
Pin 4, 5   Not connected

Controls and indication

1. Power indication
2. DMX input signalization
3. DMX input connector channel A
4. DMX Termination switch 120R + signalization LED
5. RDM filter switch + signalization LED
6. DMX data output signalization for positive and negative signal
7. DMX output connector

Device Design

Front panel:

Rear panel:

Device use/servicing:

The Power LED indicator indicates the device is on the main power. All other DATA indication LEDs being off mean no incoming signal. The termination red LEDs are ON when the termination switch is activated. Each DMX source is retransmitted to the five outputs. When there are connected the RDM devices without RDM support turn the RDM filter on by switch. This is indicated with the GREEN LED close to the switch.

When the DMX cable is connected to the device, all LEDs marked with symbols D+/D- or the sign of signal polarity go ON. This indicates that DSR5.2-RDM 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.

Device is upgradeable via USB to DMX cable. Ask on sales@srs-group.com for more details.

Technical data

Main:
AC 100-255V / 50-60Hz / 10W

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

Size:
1U, 19'', 482.5 x 44.5 x 130 mm

Weight:
2.1 kg

Package consists of:
- DSR5.2-RDM unit,
- 1.5m 3G0.75mm2 PowerCon cable,
- Printed manual

Warranty:
Life-time warranty

DECLARATION OF CONFORMITY
According to the 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: Double universe 5-way DMX/RDM Splitter
Type: DSR5.2-RDM

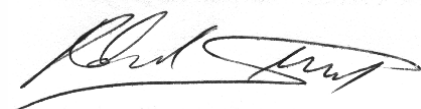*Corresponds to the following product specifications:*

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, 22 November 2014

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