



# DMX Splitter with RDM Support

## Instruction Manual

Models:

# DSR5.2-RDM-N

version 1.0 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.

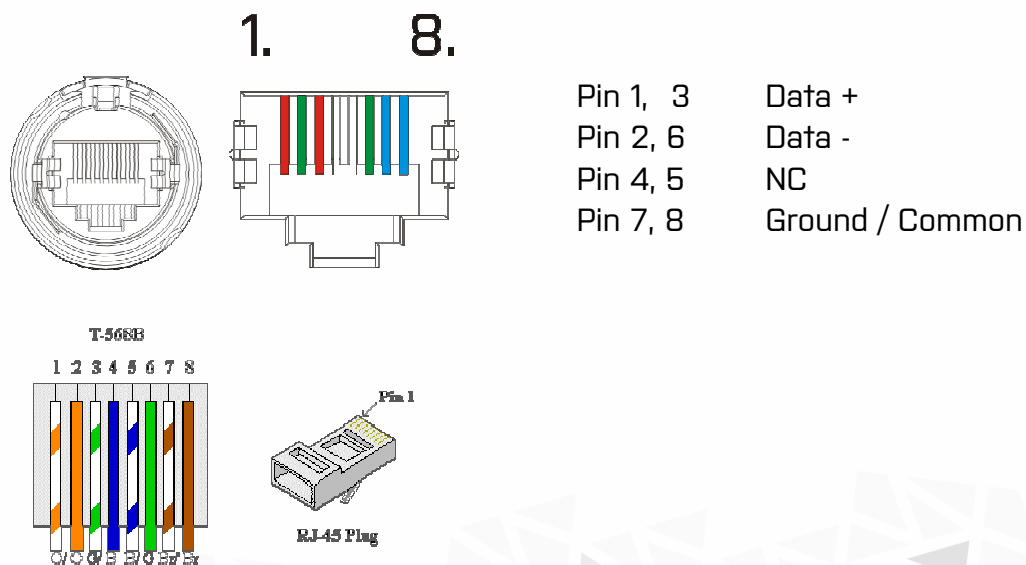
### ***Water, moisture, heat and humidity***

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.

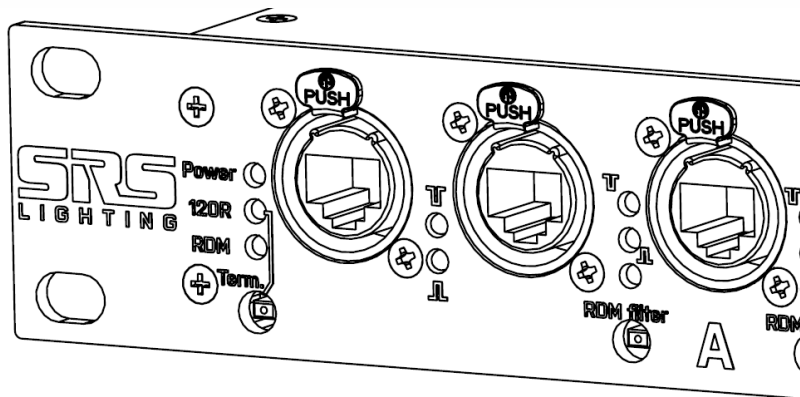
## **DMX connections**

DMX RJ45 connectors are located on the front panel of the device. Splitter consists of DMX in, 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.



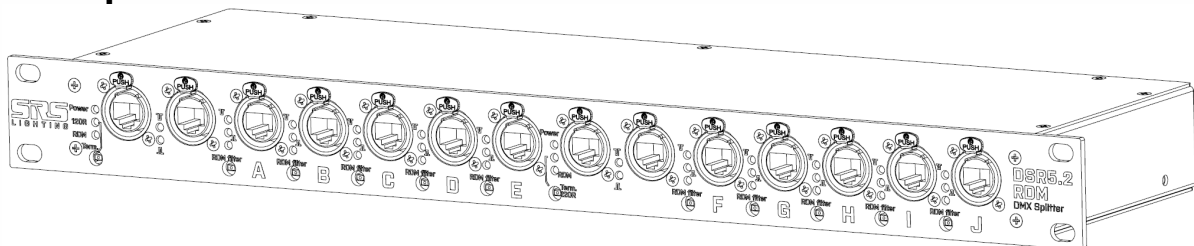
## Controls and indication



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 ten 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 DSR10-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](mailto: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-N 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 with RJ45 connectors

**Type:** DSR5.2-RDM-N

*Corresponds to the following product specifications:*

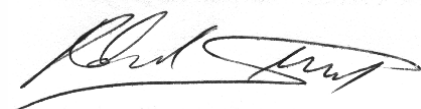
**Safety:** EN60065, resp. EN 60950

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

### **Additional information:**

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

Bratislava, 22 November 2014



Robert Sloboda

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