SRS LIGHTING

DMX Splitter with RDM Support

Instruction Manual

Models:

DST5-RDM-N

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. Device should be never placed near or over a heat register or other source of heated air and it should not be installed or operated without proper ventilation.
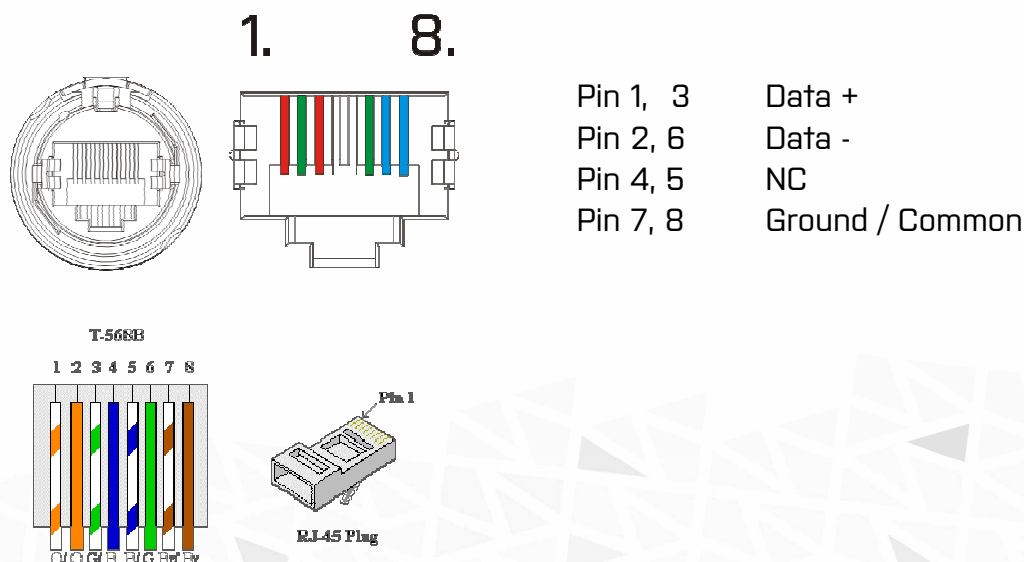
Mains AC100-255V connection

AC power is connected to the splitter via Neutrik PowerCon blue connector. Standard supply is UNISCHUKO lead with Neutrik PowerCon. Always respect the markup of L and N on connectors for correct wiring of Line and Neutral.
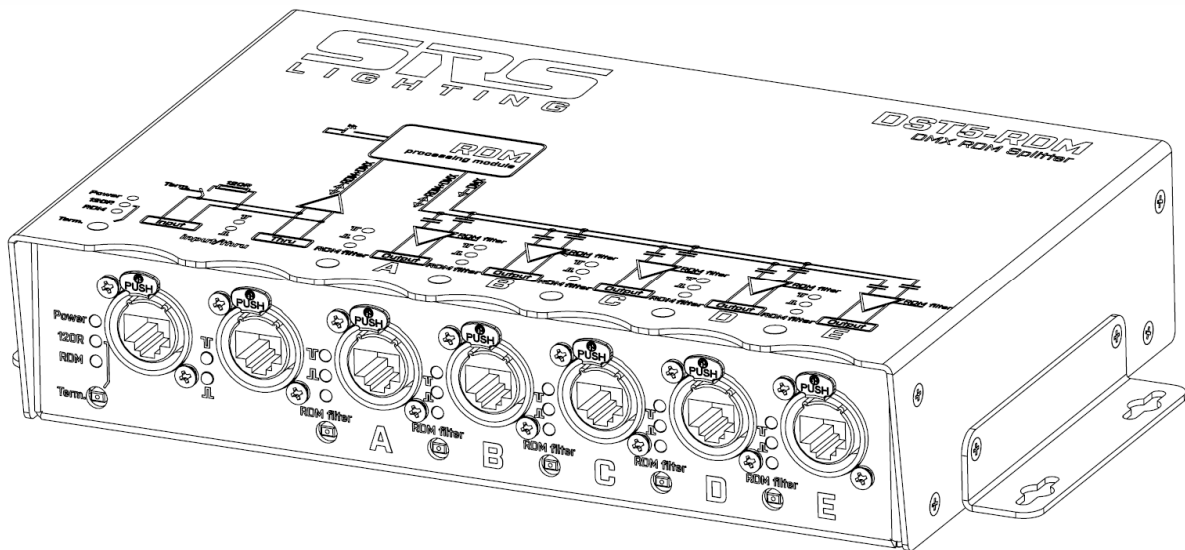
DMX connections

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.

1.   8.

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

T-568B

1 2 3 4 5 6 7 8

Pin 1

RJ-45 Plug

O/O G/B B/G Br/Br

Device Design

Device in use / service:

By default, Power LED indicates the device is on main power. When the Power LED is off, check the main power input. When this does not solve the problem, please call service first and then open DST5-RDM-n and check fuses on the main board.

When the DMX cable is connected to the device, LEDs marked as D+ and D- go on for the side marked as DMX input, thru and this indicates that DST5-RDM-N is receiving the DMX signal. Speed of light on these LEDs also indicates the refresh rate of DMX signal. Fast blinking – high refresh rate, slow blinking – slow refresh rate.

On the front panel of DST5-RDM-N, there are outputs A-E, which are retransmitting the input to the optically isolated outputs. If any of data LEDs is off, unplug the signal cable corresponding to this output and check the cable for short circuit between D+ and CMN or D- and CMD lines.

RDM filter switch will filter all RDM commands from the DMX stream.

In case of any problems, do not hesitate to contact us via email at sales@srs-group.com or call us at +421244681417. Don't worry; we will fix your problems for sure.

Technical data

Main input:
AC 100-255V / 50-60Hz / 5W

DMX Input / Output:
5x USITT DMX512 with RDM support isolated up to 1000V
Maximum of: 5x 32 devices per one splitter output
Cable length: max: 5x 1200m

Weight:
1.2 kg

Housing/Size:
Lightweight Aluminum box with powder coating
230x155x50mm

Temperature of use:
-10 ºC … +45 ºC

Mounting points:
Wall-mount ears on both sides of splitter
4 rubber feet on the bottom of device

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

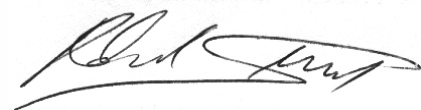**Name of product:** DST5-RDM-N 5-way DMX/RDM splitter with RJ45
Type: DST5-RDM-N

Corresponds to the following product specifications:
Safety: EN60065, resp. EN 60950
EMC: EN55103-1, resp. EN55103-2

Bratislava, 2 November 2014

Robert Sloboda

plasa
member