



10-way IP DMX Splitter

Instruction Manual

Models:
DSR10IP

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. 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. Due to the IP65 sealing, the device should be installed in constant temperature atmosphere without thermal shocks.

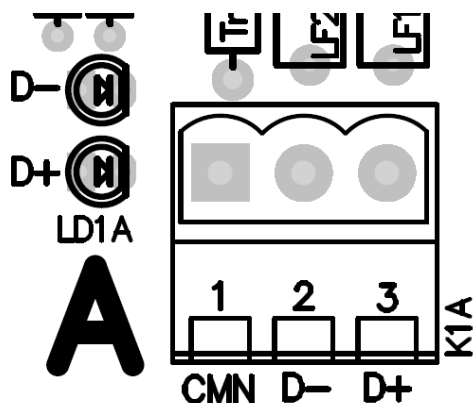
Mains 85-265V connection

AC screw terminal is located near the PSU. Please follow the marking of L and N on the PCB for correct wiring of Line and Neutral.

DMX connection

DMX screw terminal connectors are located on both sides of board. These are separated into two groups. One group is wired in ratio 1:1 and marked as > and >. This line should be terminated by the termination resistor of 120ohm wired between pins 2 and 3 or D+/D- signal when the device is last on DMX line.

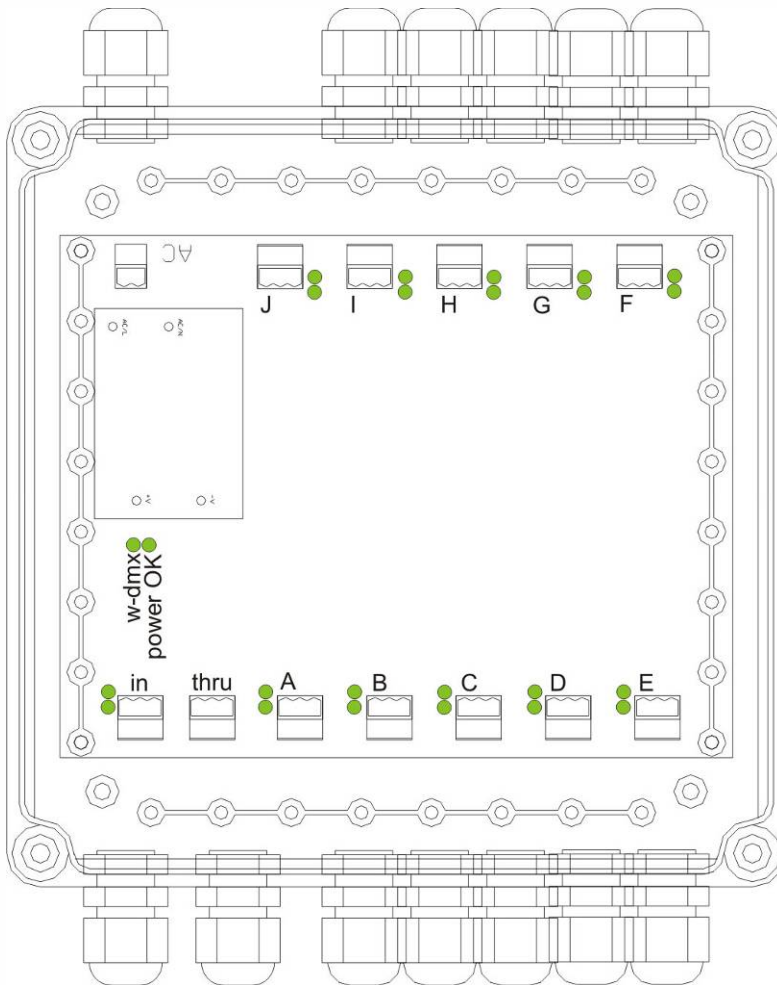
The other part of splitter consists of 10-way optically isolated lines marked with letters A-J. Each line has a separate power supply and line driver + the indication of signals D+, D- on the both signal lines with two LEDs marked as D+, D-. In normal operation, both LEDs are on. In case of short circuit between data pins D+/D- and the CMN pin, the LED with short circuit is OFF. These LEDs also indicate the refresh rate of DMX signal.



All outputs are optically isolated!

Pin 1	Data Common
Pin 2	Data- / D-
Pin 3	Data+ /D+

Controls and indication



Device use/servicing:

By default, without any incoming signal, all LEDs are off and the Power ON LED indicates the device is on main power. When there is no Power ON sign, check main power input or fuses on the main board.

When you connect the DMX cable to device, LEDs marked as D+ and D- go ON for side marked as > and this indicates that DSR10IP 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.

Now the DSR10IP is fully working and 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.

In case of problems do not hesitate to contact us at sales@srs-group.com or +421244681417 and stay calm. We will help you fix your problems for sure.

Technical data

Main input:

AC 100-255V / 50-60Hz / 15W

Weight:

1.8 kg

Input / Output:

10x USITT DMX512 /RS485/ isolated up to 1000V

Temperature of use:

-20 °C...+40 °C

I/O glands:

PG13.5 for cable diameter 6-12mm

Warranty:

Two-year /24-month/ warranty

Housing:

IP65 Plastic box with transparent cover 278x278x130mm

Mounting points:

Located under 4 plastic screws in the corner, Grid of 254x254mm

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 38/B, SK- 83108 Bratislava, Slovak Republic

Declares that the product

Name of product: 10-way waterproof DMX splitter

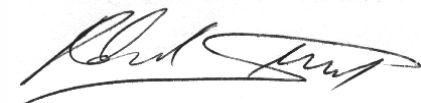
Type: DSR10IP

Corresponds to the following product specifications:

Safety: EN60065, resp. EN 60950

EMC: EN55103-1, resp. EN55103-2

Bratislava, 10 May 2011



Robert Sloboda

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