

## **Technical data**

**Mains input:**

AC 89-265V / 50-60Hz / 15W

**Input / Output:**

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

**Size:**

IP65 Plastic box with transparent cover 278x348x130mm

**I/O glands:**

PG13.5, for cable diameter 6-12mm

**Mounting points:**

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

**Weight:**

1.8 kg

**Temperature of use:**

-20 °C / +40 °C

**Warranty:**

Two Years /24 months/ warranty

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

**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 waterproof DMX splitter

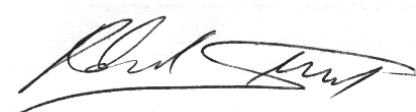
**Type:** DSR10IP

*Corresponds to the following product specifications:*

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

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

Bratislava, 10<sup>th</sup> of May 2011



Robert Sloboda



# 10 way DMX splitter

## Instruction Manual

### Model:

**DSR10IP IP65 waterproof DMX splitter**

### ATTENTION!

This instruction manual contains important information about the installation and 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 repair of this equipment. Failure to comply with these precautions or with specific warning 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. Device should be never placed near or over heat register or other source of heated air and it should not be installed or operated without proper ventilation. Due IP65 sealing it's best when device is installed in constant temperature atmosphere without thermal shocks.

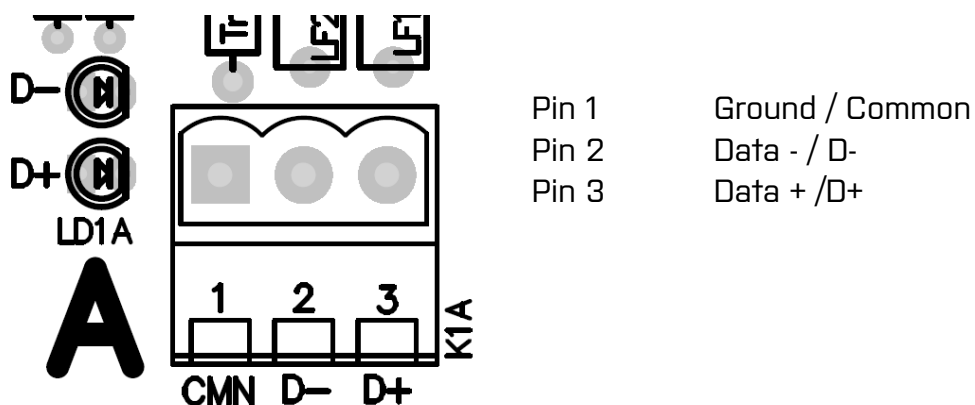
### **Mains 85-265V connection**

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

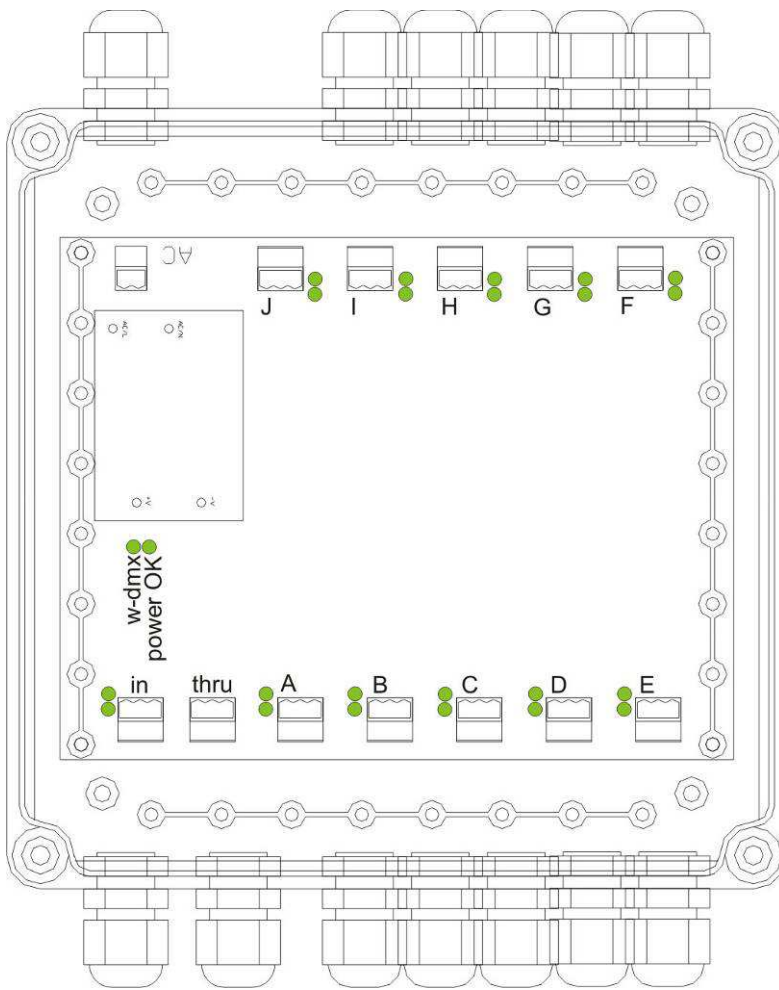
### **DMX connection**

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

The 2<sup>nd</sup> part of splitter consists of 10 ways optically isolated lines marked with letters A-J. Each line has separate power supply and line driver + 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- to the CMN pin the LED with short circuit is OFF. These LEDs also indicate refresh rate of DMX signal.



## **Controls and indication**



## **Device use/servicing:**

By default without any incoming signal there are all LEDs 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 main board.

When you connect the DMX cable to device, LEDs marked as D+ and D- goes ON for side marked as > and this indicates that DSR10IP is receiving the DMX signal. Speed of light on these LEDs also indicates 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 there is any of data LEDs 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.

If there is any problem just send us an email to [service@srslight.com](mailto:service@srslight.com) or call us to +421244681417 and be calm because we help you to fix your problems for sure.