



DST 4-way DMX/AC Power Splitter

Instruction Manual

Models:

DST4H-3, DST4H-5, DST4H-C

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.

Mains AC85-265V connection

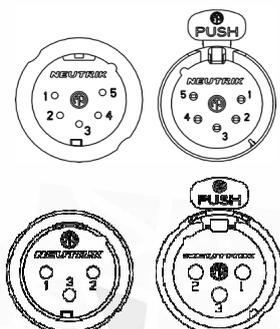
AC power is connected to the splitter via Neutrik PowerCon blue connector. Standard supply is UniSchuko lead with Neutrik PowerCon. Always respect the marking of L and N on connector for correct wiring of Line and Neutral.

DMX connection

DMX connectors are located on both sides of splitter board. These are separated to two groups. First group is wired in ratio 1:1 and marked as DMX input and DMX thru. This line is not optically isolated and when device is the last in line it should be terminated by the termination resistor of 120ohm wired between pins 2 and 3 of the DMX thru connector.

The other side of the splitter consists of 4-way optically isolated lines marked with letters A-D. Each line has a separate power supply, line driver and the indication of signals D+, D- on both signal lines. These LEDs are active when splitter is retransmitting DMX signal and there is no short circuit between data lines.

In case of short circuit between data pins D+/D- and the CMN pin, the LED connected to data line will be off.



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

Device in use / service:

By default, Power LED indicates the device is on main power. When the power light is off please check the main power input. When this does not solve the problem please call the assistance first and then open DST4H 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 DST4H 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 rear panel of DST4H, there are outputs A-D, 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.

Technical data

Main input for DMX splitter:

AC 100-255V /50-60Hz/ 5W

Main input for AC splitter:

AC 100-255V /50-60Hz/ 16A max

DMX Input / Output:

4x USITT DMX512 /RS485/ isolated up to 1000V

Maximum of: 4x 32 devices per one splitter output

Cable length: max: 4x 1200m

Housing / Dimensions:

Lightweight aluminium box with powder coating / 234x154x62mm

Mounting points:

Located symmetrically on base plate, 8mm wide hole for securing line

Grid of mounting points: 222x78mm, 4x rubber foot on the bottom

Weight:

1.7 kg

Temperature of use:

-10 °C...+45 °C

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- 83107 Bratislava, Slovak Republic

Declares that the product

Name of product: DST4H 4-way DMX/AC power splitter

Type: DST4H

Corresponds to the following product specifications:

Safety: EN60065, resp. EN 60950

EMC: EN55103-1, resp. EN55103-2

Bratislava, 10 October 2013



Robert Sloboda



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