SRS LIGHTING

DSR12

INSTRUCTION MANUAL

THIS DOCUMENT APPLIES TO

DSR12-5, DSR12-3, DSR12-C, DSR12N

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IMPORTANT NOTE

The user is required to read and understand this manual before installing, operating, or servicing the device. Failure to follow the specified procedures and safety guidelines may result in equipment malfunction, personal injury, or hazardous situations. The manufacturer assumes no responsibility for damage or injury caused by negligence, improper handling, or failure to comply with the instructions provided. Under such circumstances, all associated risks and liabilities fall to the operator.

REPAIR & SERVICE

In the event of equipment malfunction, please contact our Technical Support Department at rma@srs-group.com, or reach out to the authorised distributor from whom the equipment was purchased. To ensure optimal performance and extend the service life of the device, only use replacement parts supplied or approved by the manufacturer.

For inquiries related to the functionality, operation, or applications of this equipment, please contact your local distributor or email us at sales@srs-group.com.

IMPORTANT NOTE

When contacting the manufacturer or local distributor, please provide information found on the sticker on the rear panel. This will ensure swift processing of your request. Thank you!

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1. 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 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, also not 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.

MAINTENANCE WORK PRECAUTIONS

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

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2. PRODUCT DESCRIPTION

DSR12 is a rack-mount DMX splitter and booster with 12 channels. Every output features LED indication of the DMX status and is optically isolated up to 1000V. The unit also provides a through output for easy daisy-chaining of other DMX devices, as well as parallel DMX IN connectors on both sides.

All electrical components carry their own individual cSA/UL, CE and comply with European Directives. The components are housed in robust steel 19" rack casing with powder coating. Complete unit complies with the CE according to the Certification of conformity attached to this manual.

2.1. TECHNICAL SPECIFICATIONS

Main input:
NAC3PX-TOP; AC 100-255V, 50/60Hz, 15W

Input & output connector:
USITT DMX512

Size:
1U, 19'' format / 482.5 x 44.5 x 133 mm

Weight:
2.1 kg

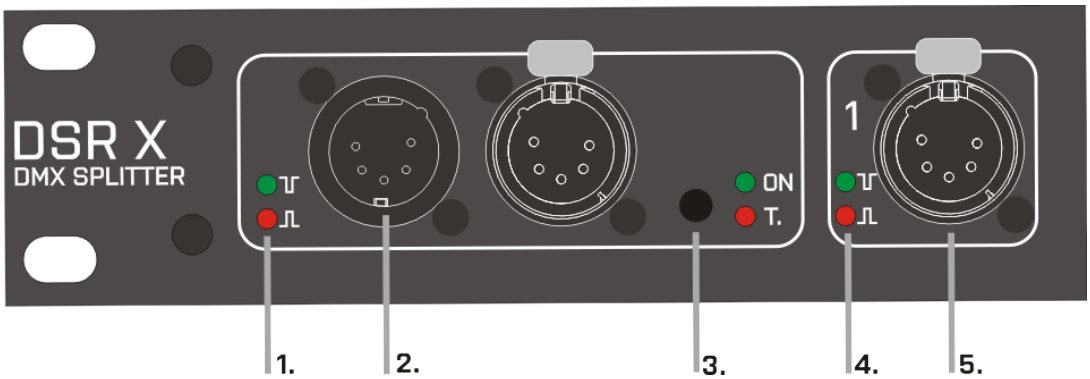
Package consists of:

- DSR12 unit,
- powerCON cable,
- Printed manual;

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3. PRODUCT OVERVIEW

3.1. CONTROLS OVERVIEW



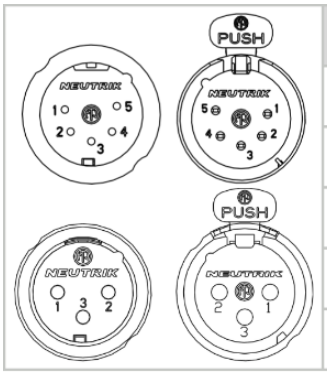
1. DMX INPUT SIGNAL INDICATION
2. DMX INPUT/THROUGH OUTPUT CONNECTORS
3. TERMINATION SWITCH BUTTON
4. DMX OUTPUT SIGNAL INDICATION
5. DMX OUTPUT CONNECTOR

3.2. DMX CONNECTORS

DMX 3- or 5-pin XLR connectors are located on the front panel of the device. They are divided into two groups. Group A (on the left) has only two connectors that are marked as DMX IN (input) and DMX THRU (through), 1:1 .

- If the THRU output is not being used, the signal line should be terminated by pressing the termination switch button; when the line is terminated, the red LED T-indicator will be ON;
- If the THRU output is being used, the termination switch should be off; the red LED T-indicator will be also off;

Group B (on the right) consists of 12 optically/electrically isolated ports marked with numbers from 1 to 12. Each port has a separate power supply and line driver, as well as two LED indicators that show the presence of outgoing non-inverted (positive, red) and inverted (negative, green) signal.



PIN	FUNCTION	NOTE
1	CMN	Common
2	Data -	Data Minus
3	Data +	Data Plus
4	NC	Not Connected
5	NC	Not Connected

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4. OPERATION & CONTROL

When the device is powered on, the "ON" LED located on the front panel should light up green to indicate that the splitter is connected to main power. Directly beneath it, the red termination LED will be on or off, depending on the termination switch position. To find out more, please refer to p.6 of this manual. If there is no incoming signal, the signal LEDs on the left will be off.

When a DMX cable is connected to the device, all signal LEDs in Group B will light up. This indicates that the DSR12 is functioning properly and is re-transmitting incoming signal to the outputs. If any one of the LEDs is off, it is recommended to perform a cable check; short circuit on a line may cause respective LED(s) to be off.

! The unit and all connected devices must be earthed via main cable.

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5. WARRANTY

This unit is covered by a two-year manufacturer's warranty. For information regarding extended warranty terms, please contact the manufacturer at sales@srs-group.com.

The warranty applies exclusively to original factory-installed components and ensures their correct operation under normal usage conditions.

The warranty shall be void under the following circumstances:

- ! Any original component has been tampered with or modified without authorisation;
- ! The equipment is operated outside of its intended or specified usage conditions;
- ! The electrical power supply does not meet required specifications;
- ! Mechanical damage is present, including damage caused by overload or improper use;

ADDRESS

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CONTACT DETAILS

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DECLARATION OF CONFORMITY

According to guidelines 89/336 EEC and 92/31 EEC:

Name of manufacturer: SRS Group s.r.o.

Registered seat: Pri majeri 4
831 07 Bratislava
Slovakia

Declares that the product

Type: 12-way DMX splitter

Name: DSR12-5, DSR12-3, DSR12-C, DSR12N

Year of construction: 2026

Corresponds to the following harmonised standards:

Safety: EN 60065:2014

EN 62368-1

EMC: EN 55103-2:2010



Bratislava, 25. 7. 2025

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